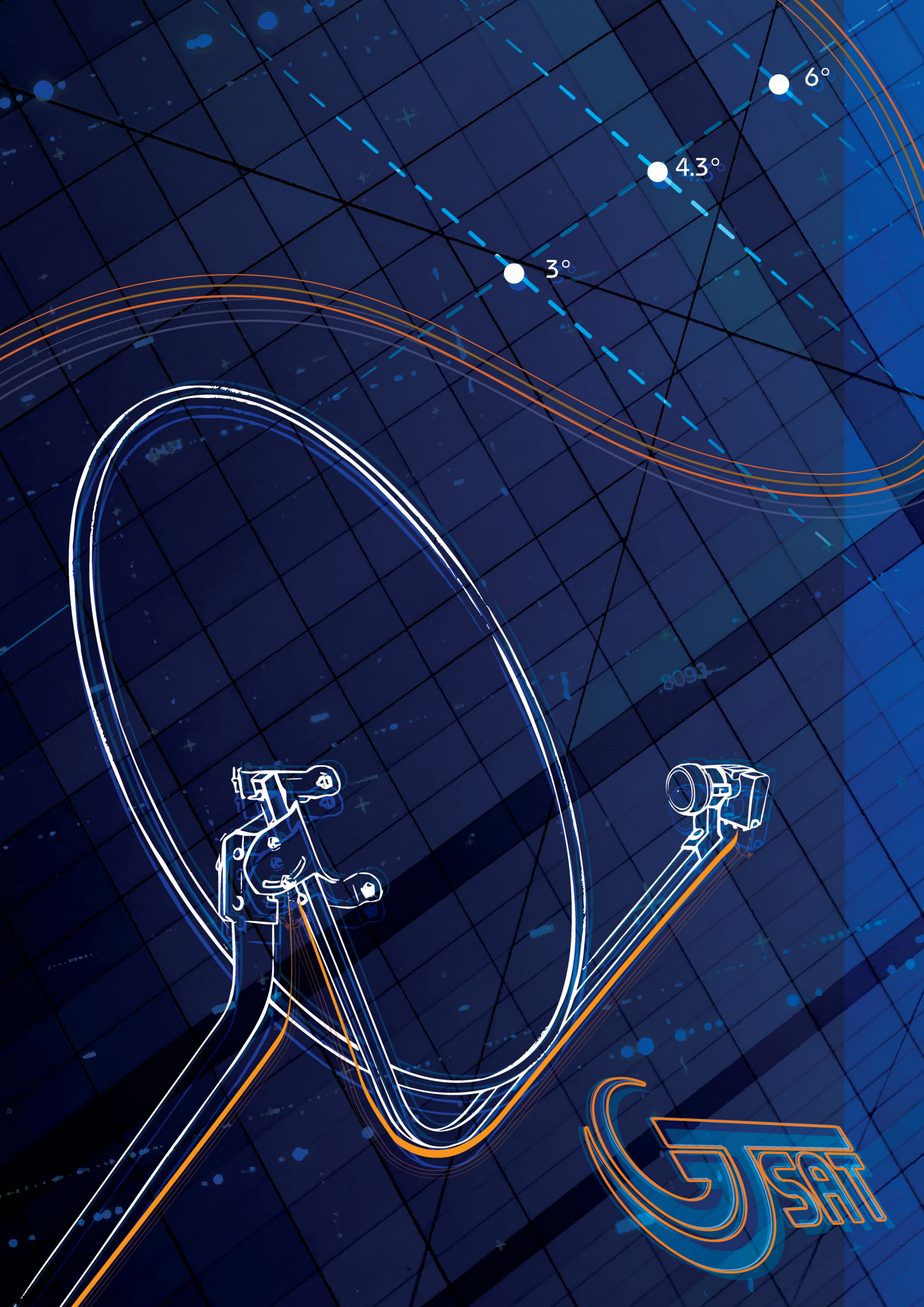




JSAT

CONNECTING THE WORLD.

GT-SAT International, is a world leader in development and manufacturing of LNBs and innovative accessories for the reception of the digital television. Being present worldwide, our products are distributed in Europe, North Africa, Middle East, India, Latin America and Russia.

With more than 40 different LNB models and numerous other equipment, we serve a wide variety of tier one TV operators and leading brands.

The company maintains strict standards regarding manufacturing, distribution and delivery of its products.

Our strength: a rapid and instant adaptation of our products to the market needs. We develop high quality and innovative products according to the market requirements. All our products are tested and approved before their launch to the market and this way we guarantee the premium quality of the hardware.

This unique approach allows for a true holistic view for product and system design.

We would like to thank all our customers for their constant support and belief over the years.



Guil Mediouni
President



GT-SAT LINE

dCSS® TECHNOLOGY
2 - 4

dMULTISWITCH®
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LNB

Wide Band Line
dCSS® Line
Universal Compact Line
Circular Line
HYBRID Monoblock 3° for 80cm DISH
HYBRID Monoblock 4,3° for 80cm DISH
8 - 19

ACCESSORIES

Amplifier
Satellite Finder
Connectors
Filter
DiSEqC Switch
Splitters
Combiners
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20 - 24

DISHES

CLICK LINE (EASY)
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RELOOK LINE

LNB

Premium Line
Easy Connect Line
Monoblock 4,3° for 80cm DISH
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OPTICAL CONVERTERS

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Digital Satellite Finders
DiSEqC Switch
Connector
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CABLES

CU Coax Cables
CSS Coax Cables
UTP Cables
48 - 55



32^{User Bands} 64^{User Bands} Wide Band EN50494 EN50494+ EN50607 3D 4K 2^{SAT}

dHELLO® dCSS® dLNB®

- Programmable / Cascadable Active dCSS® switch for 32/64UB
- Quattro LNB for 1 SAT, Wide Band LNB for 2 SAT
- 1 Terrestrial input

The GT SAT high-performance dMultiswitch® family working in dCSS® technology. It can output up to 32 independent user-bands.

The programming functionality set into Static mode turns dMultiswitch® into SMATV (as IF-to-IF headend station). Solution for hotels, hospitals and schools. Providing up to 64 transponders on single coax cable.

The dynamic mode Programming (as SCR Technology) providing any transponder up to 32 receivers on single coax cable. It supports EN50494, EN50607 and dHello® protocol. dHello® is the first DiSEqC protocol for dCSS® devices with dynamic slot allocation assuring fast and easy auto installation without any settings on STB side (similar to DHCP server Technology).

Programming is performed with the help of an external programmer (dController®) and our user-friendly PC application (dConfigurator®).

The dMultiswitch® can work with 1 or 2-satellites.

First mode: two wide-band LNBs (each LNB receiving a different satellite).

Second mode: connecting Quattro LNB for use of 1-satellite.

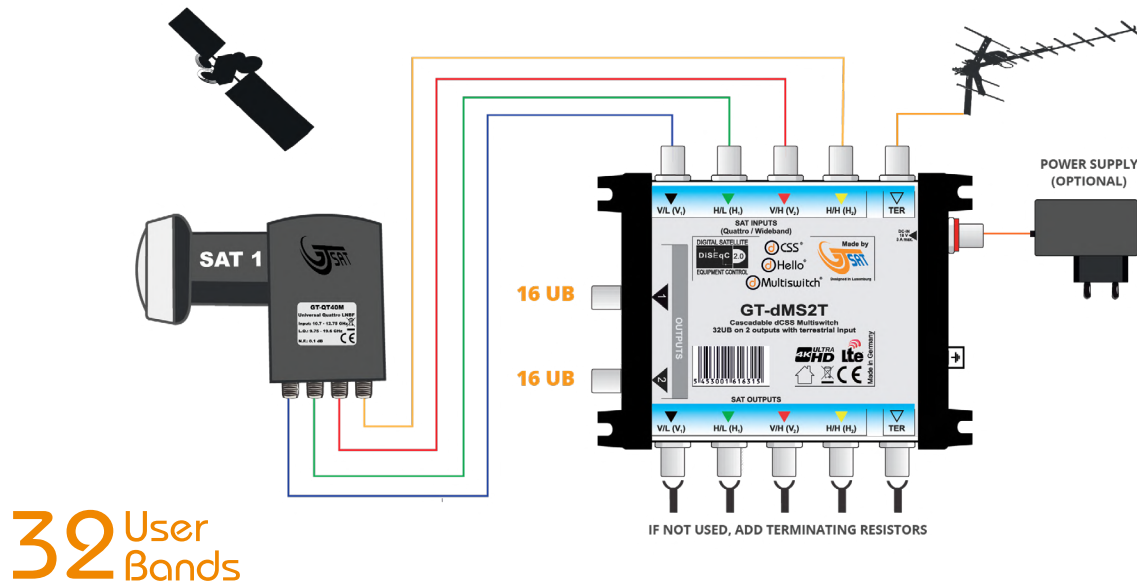
The working mode Quattro or wideband LNB is programmable with dController®.

All dMultiswitches are cascable and has input for terrestrial signal with LTE signal filter.



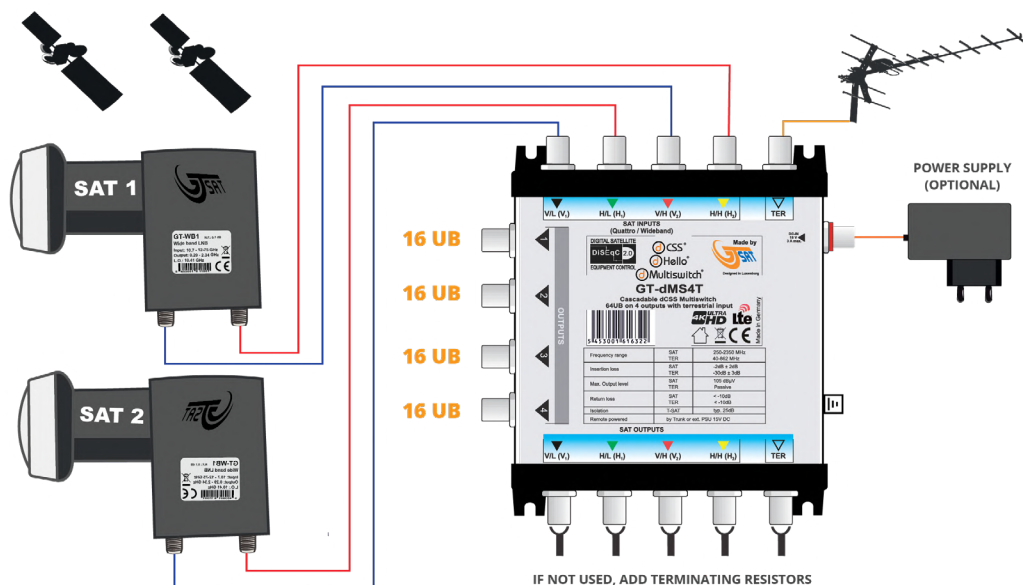
1 SATELLITE CONFIGURATION

Programmable/Cascadable Active dCSS® switch for 32 UB, 1 TER input, 1 Quattro LNB.



2 SATELLITES CONFIGURATION

Programmable/Cascadable Active dCSS® switch for 64 UB, 1 TER input, 2 Wide Band LNB.





— dLNB® Technology

Satellite signal distribution using single cable.

Up to 24 Receivers in Dynamic Mode with access to all transponders on satellite.

Unlimited number of Receivers in Static Mode with access to 32 transponders on satellite.

Auto-detection and auto-installation with dHello® feature.

Significant decrease of the new installation costs by lower coax cable usage (up to 80%).

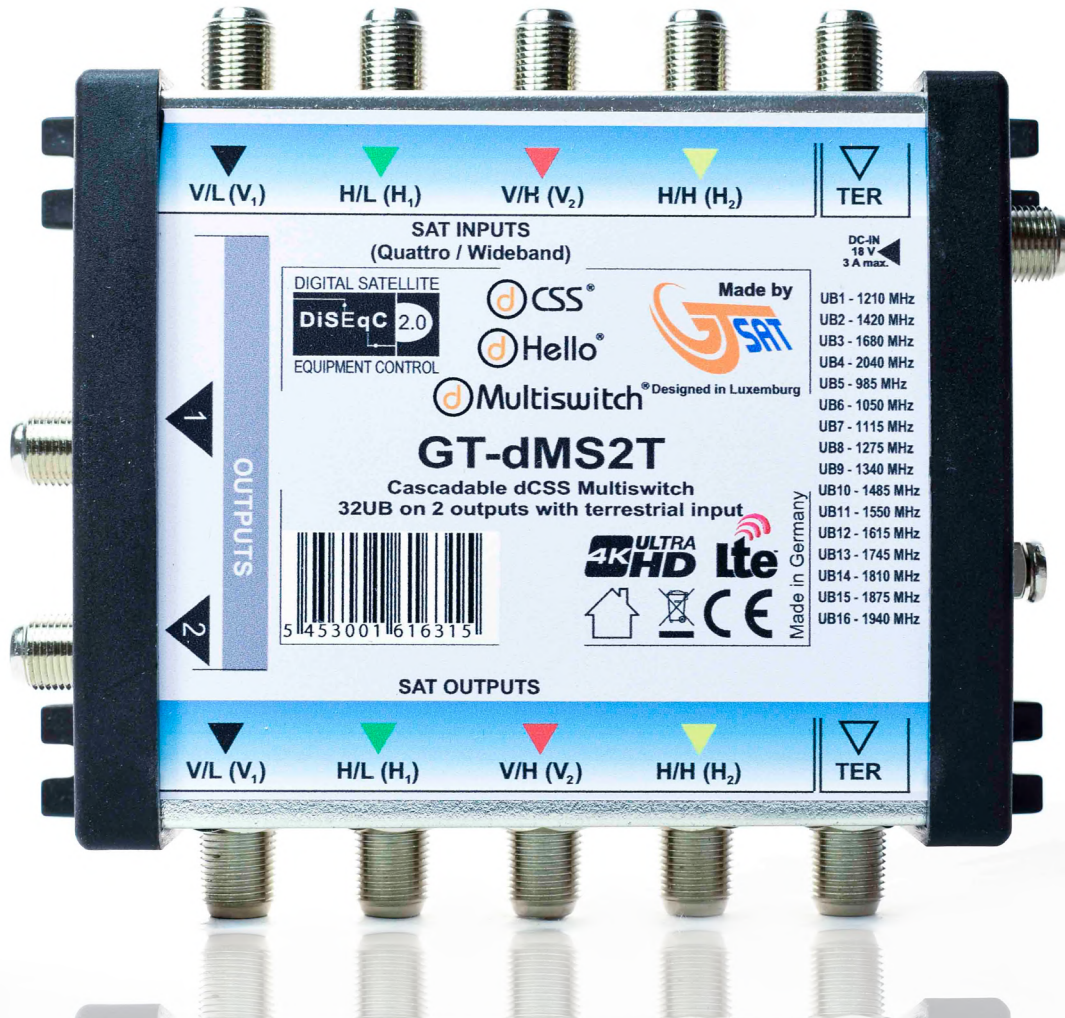
Easy adoption of old installation to increase the number of users.

Future-proof product (reprogramming LNB for adoption to new transponder configuration).

Lowering time of new installation.



MULTISWITCH®



 CSS®

 HELLO®

 MULTISWITCH®

MADE IN GERMANY 

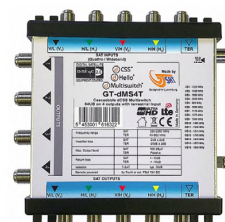

lte
IMMUNITY



dCSS®

dHELLO®

dMULTISWITCH®

**GT-dMS1WBT****GT-dMS2T****GT-dMS4T**

INPUT FREQUENCY (SAT)	290 ~ 2350 MHz	290 ~ 2350 MHz	290 ~ 2350 MHz
INPUT FREQUENCY (TER)	47 ~ 790 MHz	40 ~ 862 MHz	40 ~ 862 MHz
OUTPUT FREQUENCY (SAT)	950 ~ 2150 MHz	950 ~ 2150 MHz	950 ~ 2150 MHz
OUTPUT FREQUENCY (TER)	47 ~ 790 MHz	40 ~ 862 MHz	40 ~ 862 MHz
INSERTION LOSS FOR SAT TRUNKS	3.5 dB (maximum)	3.5 dB (maximum)	3.5 dB (maximum)
INSERTION LOSS FOR TER TRUNKS	5.5 dB (maximum)	5.5 dB (maximum)	5.5 dB (maximum)
INSERTION LOSS FOR TER PATH	8.5 dB (maximum)	8.5 dB (maximum)	8.5 dB (maximum)
SAT INPUTS ISOLATION	20 dB (minimum)	20 dB (minimum)	20 dB (minimum)
MAXIMUM INPUT LEVEL (SAT)	-5 dBm	-5 dBm	-5 dBm
MAXIMUM INPUT LEVEL (TER)	0 dBm	0 dBm	0 dBm
OPERATING TEMPERATURE RANGE	-30°C ~ +60°C	0°C ~ +60°C	-30°C ~ +60°C
POWER SUPPLY	From STB	12V - 18V DC	12V - 18V DC
POWER CONSUMPTION	4W (maximum) + LNB	4W (maximum) + LNB	8W (maximum) + LNB
ALL OUTPUTS	24	32	64
CONTROLLING	EN50494, EN50607, dHello®	EN50494, EN50607, dHello®	EN50494, EN50607, dHello®
WORKING MODE	Dynamic and Static	Dynamic and Static	Dynamic and Static
PROGRAMMABILITY	YES	YES	YES
NUMBER OF OUTPUTS	1	2	4
LEGACY OUTPUTS	0	2 (switchable)	4 (switchable)
SYSTEM	1 satellite	1 or 3 satellites	1 or 3 satellites
COMMUNICATION PORT	Over coax cable	Over coax cable	Over coax cable
POWER SUPPLY UNIT	NOT INCLUDED	INCLUDED	INCLUDED

dCONTROLLER®

— dController® programmer for dCSS® LNB and dCSS® Multiswitch.

“PROGRAM” Button for programming “on the roof”

Commands for EN50607

USB communications with PC

DiSEqC 2.0 communication

DC Supply Voltage: +12V from PSU or +13 to 18V from STB

Output Voltage Range: 12.5 to 20 DC

LOOP/Through for RF signal

Up to 5 dB insertion loss of RF loop-through

75 Ohms impedance for LNB output and Receiver input

Compact housing

LED indicators for:

- 0/22 kHz
- Busy
- Done
- F1
- F0
- 13/18V
- Transmission error
- Vout low
- Vin low
- Short-circuit
- On/Off



VIEW ONLINE



LNB





GT-WB1
L - SHAPE

INPUT FREQUENCY RANGE	10700 ~ 12750 MHz
OUTPUT FREQUENCY RANGE	290 ~ 2340 MHz
LO. FREQUENCY	10.41 GHz
LO. FREQUENCY STABILITY	+/- 0.5 MHz at room temperature
LO. FREQUENCY PHASE NOISE	-97 dBc at 100 KHz
NOISE FIGURE	0.1 dB
CONVERSION GAIN	56 - 62 dB
GAIN FLATNESS 26 MHz BANDWIDTH	0.5 MHz
CROSS-POL. ISOLATION	22 dBm
IMAGE REJECTION	< 40 dB
POWER CONSUMPTION	1W (maximum)
POWER VOLTAGE	From STB
OUTPUT CONNECTOR TYPE	F-Type
OPERATING TEMPERATURE RANGE	-30°C ~ +60°C
FEED LENGTH	42 mm

Wide Band



GT-S1dCSS24
1 LEGACY OUTPUT

DYNAMIC MODE

	PROGRAMMABLE L - SHAPE	LEGACY PORT
INPUT FREQUENCY	10.7 ~ 12.75 GHz	0.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz	950 ~ 2150 MHz
LO. FREQUENCY	9.75 & 10.6 GHz	9.75 & 10.6 GHz
NUMBER OF USER BANDS	24	-
WORKING MODE	Dynamic	-
PROGRAMMABILITY	YES	-
PREPROGRAMMED UB FREQUENCY (dCSS® PORT ONLY)	975, 1025, 1075, 1125, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1675, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz	-
USER BAND (UB) BANDWIDTH	Up to 82 MHz (Programmable with 0.1 MHz accuracy)	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature
LO. STABILITY	+/- 0.5 MHz at room temp. +/- 1 MHz over room temp.	-
POLARITY SWITCHING VOLTAGE	-	10.5 ~ 14.0 Vdc, 16.0 ~ 21.0 Vdc
BAND SWITCHING SIGNAL	-	Low Band: 0 KHz High Band: 22 KHz +/- 4 KHz
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)
GAIN	42 ~ 62 dB (Programmable with 1 dB step)	57 - 61 dB
GAIN FLATNESS	+/- 0.5 dB at 26 MHz over room temp.	+/- 0.5 at 26 MHz over room temp.
GAIN VARIATION	1 dB over room temp. (by programming)	4 dB over room temperature
CROSS-POL. ISOLATION	22 dB over room temp.	22 dB over room temperature
IMAGE REJECTION	> 40 dB over room temp.	> 40 dB over room temperature
IM3 SUPPRESSION	> 60 dB at IF signal power	> 50 dBc at IF signal power, -15 dBm over room temperature
LO. FREQUENCY PHASE NOISE	Integration P.N. < 2.5° RMS at 10 KHz ~ 13 MHz	< -60 dBc at 1KHz, < -85 dBc @10 KHz < -97 dBc at 100 KHz, < -120 dBc @1 MHz < -55 dBm over room temperature
IN-BAND SPURIOUS	-	-
CONTROL SIGNAL	EN50494, EN50607, dHello®	-
COMMUNICATION	DiSEqC 2.0	-
OPERATING SYSTEM TEMPERATURE	-30°C ~ +65°C	-30°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V	10 - 20V
POWER CONSUMPTION	4.5W (maximum)	140 mA (maximum)
FEED LENGTH	42 mm	42 mm



GT-S2dCSS24
2 LEGACY OUTPUTS

DYNAMIC MODE

	PROGRAMMABLE L - SHAPE	LEGACY PORT
INPUT FREQUENCY	10.7 ~ 12.75 GHz	10.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz	950 ~ 2150 MHz
LO. FREQUENCY	9.75 & 10.6 GHz	9.75 & 10.6 GHz
NUMBER OF USER BANDS	24	-
WORKING MODE	Dynamic	-
PROGRAMMABILITY	YES	-
PREPROGRAMMED UB FREQUENCY (dCSS® PORT ONLY)	975, 1025, 1075, 1125, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1675, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz	-
USER BAND (UB) BANDWIDTH	Up to 82 MHz (Programmable with 0.1 MHz accuracy)	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature
LO. STABILITY	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature	-
POLARITY SWITCHING VOLTAGE	-	10.5 ~ 14.0 Vdc, 16.0 ~ 21.0 Vdc
BAND SWITCHING SIGNAL	-	Low Band: 0 KHz
NOISE FIGURE	-	High Band: 22 KHz +/- 4 KHz
GAIN	0.1 dB (typical)	0.1 dB (typical)
GAIN FLATNESS	42 ~ 62 dB (Programmable with 1 dB step)	57 - 61 dB
GAIN VARIATION	+/- 0.5 dB at 26 MHz over room temp.	+/- 0.5 at 26 MHz over room temp.
CROSS-POL. ISOLATION	1 dB over room temp. (by programming)	4 dB over room temperature
IMAGE REJECTION	22 dB over room temperature	22 dB over room temperature
IM3 SUPPRESSION	> 40 dB over room temperature > 60 dB at IF signal power	> 40 dB over room temperature > 50 dBc at IF signal power
LO. FREQUENCY PHASE NOISE	-	-15 dBm over room temperature < -60 dBc at 1KHz, < -85 dBc at 10 KHz, < -97 dBc at 100 KHz, < -20 dBc at 1 MHz
IN-BAND SPURIOUS	-	< -55 dBm over room temperature
CONTROL SIGNAL	EN50494, EN50607, dHello®	-
COMMUNICATION	DiSEqC 2.0	-
OPERATING SYSTEM TEMPERATURE	-30°C ~ +65°C	-30°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V	10 - 20V
POWER CONSUMPTION	4.5W (maximum)	140 mA (maximum)
FEED LENGTH	42 mm	42 mm



GT-S3dCSS24
3 LEGACY OUTPUT

DYNAMIC MODE

	PROGRAMMABLE L - SHAPE	LEGACY PORT
INPUT FREQUENCY	10.7 ~ 12.75 GHz	10.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz	950 ~ 2150 MHz
LO. FREQUENCY	9.75 & 10.6 GHz	9.75 & 10.6 GHz
NUMBER OF USER BANDS	24	-
WORKING MODE	Dynamic	-
PROGRAMMABILITY	YES	-
PREPROGRAMMED UB FREQUENCY (dCSS® PORT ONLY)	975, 1025, 1075, 1125, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1675, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz	-
USER BAND (UB) BANDWIDTH	Up to 82 MHz (Programmable with 0.1 MHz accuracy)	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature
LO. STABILITY	+/- 0.5 MHz at room temperature +/- 1 MHz over room temperature	-
POLARITY SWITCHING VOLTAGE	-	10.5 ~ 14.0 Vdc, 16.0 ~ 21.0 Vdc
BAND SWITCHING SIGNAL	-	Low Band: 0 KHz
NOISE FIGURE	-	High Band: 22 KHz +/- 4 KHz
GAIN	0.1 dB (typical)	0.1 dB (typical)
GAIN FLATNESS	42 ~ 62 dB (Programmable with 1 dB step)	57 - 61 dB
GAIN VARIATION	+/- 0.5 dB at 26 MHz over room temp.	+/- 0.5 at 26 MHz over room temp.
CROSS-POL. ISOLATION	1 dB over room temp. (by programming)	4 dB over room temperature
IMAGE REJECTION	22 dB over room temperature	22 dB over room temperature
IM3 SUPPRESSION	> 40 dB over room temperature > 60 dB at IF signal power	> 40 dB over room temperature > 50 dBc at IF signal power
LO. FREQUENCY PHASE NOISE	- Integration P.N. < 2.5° RMS at 10 KHz ~ 13 MHz	-15 dBm over room temperature < -60 dBc at 1KHz, < -85 dBc at 10 KHz, < -97 dBc at 100 KHz, < -20 dBc at 1 MHz
IN-BAND SPURIOUS	-	< -55 dBm over room temperature
CONTROL SIGNAL COMMUNICATION	EN50494, EN50607, dHello® DiSEqC 2.0	-
OPERATING SYSTEM TEMPERATURE	-30°C ~ +65°C	-30°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V	10 - 20V
POWER CONSUMPTION	4.5W (maximum)	140 mA (maximum)
FEED LENGTH	42 mm	42 mm



STATIC MODE



GT-dLNB1T
PROGRAMMABLE L-SHAPE



GT-dLNB2T
PROGRAMMABLE L-SHAPE

INPUT FREQUENCY (SAT)	10.7 ~ 12.75 GHz	10.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz	950 ~ 2150 MHz
LO. FREQUENCY	10.4 GHz	10.4 GHz
NUMBER OF USER BANDS	24	24
WORKING MODE	Dynamic and Static	Dynamic and Static
PROGRAMMABILITY	YES	YES
PROGRAMMED UB FREQUENCY	975, 1025, 1075, 1125, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1675, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz	975, 1025, 1075, 1125, 1225, 1275, 1325, 1375, 1425, 1475, 1525, 1575, 1675, 1775, 1825, 1875, 1925, 1975, 2025, 2075, 2125 MHz
USER BAND (UB) BANDWIDTH	Up to 82 MHz (programmable with 0.1 MHz accuracy)	Up to 82 MHz (programmable with 0.1 MHz accuracy)
LO. STABILITY	+/- 1 MHz at room temp. , +/- 3 MHz over r.t.	+/- 1 MHz at room temp. , +/- 3 MHz over r.t.
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)
GAIN	42 ~ 62 dB (programmable with 1dB step)	42 ~ 62 dB (programmable with 1dB step)
GAIN FLATNESS	+/- 0.2 dB at 26 MHz over room temp.	+/- 0.2 dB at 26 MHz over room temp.
GAIN VARIATION	1 dB over room temp. (by programming)	1 dB over room temp. (by programming)
CROSS-POL. ISOLATION	> 22 dB over room temperature	> 22 dB over room temperature
IMAGE REJECTION	> 40 dB over room temperature	> 40 dB over room temperature
IM3 SUPPRESSION	> 60 dBc at IF signal power	> 60 dBc at IF signal power
LO. FREQUENT PHASE NOISE	Integration P.N. 2.5° RMS at 10 KHz ~ 13 MHz	Integration P.N. 2.5° RMS at 10 KHz ~ 13 MHz
CONTROL SIGNAL COMMUNICATION	EN50494, EN50607, dHello®	EN50494, EN50607, dHello®
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V	10 - 20V
POWER CONSUMPTION	4.70W	4.70W
FEED LENGTH	42 mm	42 mm



DYNAMIC MODE

INPUT FREQUENCY	10.7 ~ 12.75 GHz
OUTPUT FREQUENCY	950 ~ 2150 MHz
LO. FREQUENCY	10.4 GHz
NUMBER OF USER BANDS	24
WORKING MODE	Dynamic and Static
PROGRAMMABILITY	YES
PROGRAMMED UB FREQUENCY	1210, 1420, 1680, 2040, 985, 1050, 1115, 1275, 1340, 1485, 1550, 1615, 1745, 1810, 1875, 1940 MHz
USER BAND (UB) BANDWIDTH	46 MHz
LO. STABILITY	+/- 0.5 MHz at r.t. , +/- 1 MHz over r.t.
NOISE FIGURE	0.1 dB (typical)
GAIN	56 ~ 60 dB
GAIN FLATNESS	+/- 0.5 dB at 26 MHz over room temperature
GAIN VARIATION	1 dB
CROSS-POL. ISOLATION	22 dB
IMAGE REJECTION	> 40 dB
IM3 SUPPRESSION	> 60 dB
LO. FREQUENT PHASE NOISE	Integration P.N. 2.5° RMS at 10 KHz ~ 13 MHz
CONTROL SIGNAL	EN50494 (UB1-4), EN50607 (UB 5-16)
COMMUNICATION	DiSEqC 2.0
OPERATING TEMPERATURE RANGE	-30°C ~ +65°C
POWER SUPPLY VOLTAGE	10 - 20V
POWER CONSUMPTION	4.00W
FEED LENGTH	30 mm



GT-FR8A121
L - SHAPE



GT-SLRC1
SINGLE L - SHAPE



GT-TL1
TWIN L - SHAPE



GT-QDL1
QUAD L - SHAPE

INPUT FREQUENCY RANGE	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz
LO. FREQUENCY	Low Band: 9.75 GHz High Band: 10.60 GHz	Low Band: 9.75 GHz High Band: 10.60 GHz	Low Band: 9.75 GHz High Band: 10.60 GHz
LO. FREQUENCY STABILITY	+/- 0.5 MHz (max.) at r.t.	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26MHz BANDWIDTH	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
POLARITY SWITCHING VOLTAGE	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~ 20.0 Vdc	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~ 20.0 Vdc	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~ 20.0 Vdc
BAND SWITCHING	Low Band: 0 KHz High Band: 22 KHz (+/- 4KHz)	Low Band: 0 KHz High Band: 22 KHz (+/- 4KHz)	Low Band: 0 KHz High Band: 22 KHz (+/- 4KHz)
CROSS-POL. ISOLATION	22 dB (typical)	22 dB (typical)	22 dB (typical)
IMAGE REJECTION	40 dB (typical)	40 dB (typical)	40 dB (typical)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	100 mA (typical)	140 mA (typical)	150 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C	-40°C ~ +65°C
FEED LENGTH	29 mm	29 mm	42 mm



GT-QTL1
QUATTRO L - SHAPE



GT-QT40M
QUATTRO L - SHAPE



GT-OCL1
OCTO L - SHAPE

INPUT FREQUENCY RANGE	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz	Low Band: 950 ~ 1950 GHz High Band: 1100 ~ 2150 GHz
LO. FREQUENCY	Low Band: 9.75 GHz High Band: 10.60 GHz	Low Band: 9.75 GHz High Band: 10.60 GHz	Low Band: 9.75 GHz High Band: 10.60 GHz
LO. FREQUENCY STABILITY	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26MHz BANDWIDTH	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
POLARITY SWITCHING VOLTAGE	-	-	VERTICAL: 11.0 ~ 14.0 Vdc HORIZONTAL: 16.0 ~ 20.0 Vdc
BAND SWITCHING	-	-	Low Band: 0 KHz High Band: 22 KHz (+/- 4 KHz)
CROSS-POL. ISOLATION	22 dB (typical)	22 dB (typical)	22 dB (typical)
IMAGE REJECTION	40 dB (typical)	40 dB (typical)	40 dB (typical)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	240 mA (typical)	240 mA (typical)	180 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C	-40°C ~ +65°C
FEED LENGTH	42 mm	35 mm	42 mm



GT-SCIR40M
SINGLE L - SHAPE



GT-TCIR40M
TWIN L - SHAPE



GT-QDCIR40M
QUAD L - SHAPE

INPUT FREQUENCY RANGE	High Band: 11.7 ~ 12.75 GHz	High Band: 11.7 ~ 12.75 GHz	High Band: 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	950 ~2000 MHz	950 ~2000 MHz	950 ~2000 MHz
LO. FREQUENCY	10.75 GHz	10.75 GHz	10.75 GHz
LO. FREQUENCY STABILITY	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.)	-60 dBc / Hz at 1 KHz (max.)	-60 dBc / Hz at 1 KHz (max.)
	-85 dBc / Hz at 10 KHz (max.)	-85 dBc / Hz at 10 KHz (max.)	-85 dBc / Hz at 10 KHz (max.)
	-97 dBc / Hz at 100 KHz (max.)	-97 dBc / Hz at 100 KHz (max.)	-97 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26 MHz BAND-	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
WIDTH	RHCP: 11.0 ~14.0 Vdc	RHCP: 11.0 ~14.0 Vdc	RHCP: 11.0 ~14.0 Vdc
OPERATING VOLTAGE	LHCP: 16.0 ~20.0 Vdc	LHCP: 16.0 ~20.0 Vdc	LHCP: 16.0 ~20.0 Vdc
CROSS-POL. ISOLATION	22 dB (typical)	22 dB (typical)	22 dB (typical)
IMAGE REJECTION	40 dB (minimum)	40 dB (minimum)	40 dB (minimum)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	90 mA (typical)	140 mA (typical)	210 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-30°C ~ +65°C	-30°C ~ +65°C	-30°C ~ +65°C
FEED LENGTH	32 mm	32 mm	32 mm



GT-M03
SINGLE MONOBLOCK



GT-TM03
TWIN MONOBLOCK



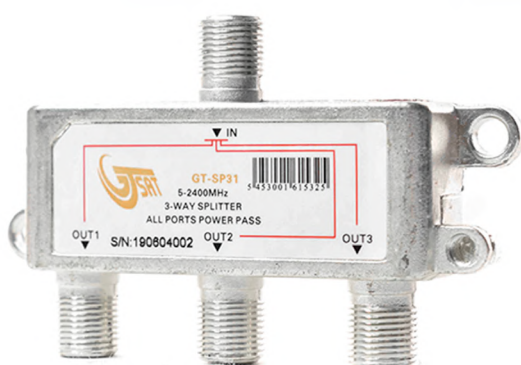
GT-QDM03
QUAD MONOBLOCK

INPUT FREQUENCY RANGE	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz	Low Band: 10.7 ~ 11.7 GHz High Band: 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150 MHz	Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150 MHz	Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150 MHz
LO. FREQUENCY	Low Band: 9.5 GHz High Band: 10.60 GHz	Low Band: 9.5 GHz High Band: 10.60 GHz	Low Band: 9.5 GHz High Band: 10.60 GHz
LO. FREQUENCY STABILITY	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.	+/- 0.5 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -97 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26MHz BANDWIDTH	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
OPERATING VOLTAGE	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~20.0 Vdc	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~20.0 Vdc	VERTICAL: 11.0 ~14.0 Vdc HORIZONTAL: 16.0 ~20.0 Vdc
BAND SWITCHING	Low Band: 0 KHz High Band: 22 KHz (+/- 4 KHz)	Low Band: 0 KHz High Band: 22 KHz (+/- 4 KHz)	Low Band: 0 KHz High Band: 22 KHz (+/- 4 KHz)
FEED SWITCHING	DiSEqC 1.0	DiSEqC 1.0	DiSEqC 1.0
CROSS-POL. ISOLATION	22 dB (typical)	22 dB (typical)	22 dB (typical)
IMAGE REJECTION	40 dB (minimum)	40 dB (minimum)	40 dB (minimum)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	110 mA (typical)	210 mA (typical)	220 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C	-40°C ~ +65°C
FEED LENGTH	40 mm	40 mm	40 mm



ADAPTER RING
23 mm - 40 mm

ACCESSORIES





MDU-AGC AMPLIFIER

GT-AGC1

GT-AGCAMP-2

NUMBER OF INPUTS	1
NUMBER OF OUTPUTS	1
FREQUENCY RANGE	950 ~ 2150 MHz
MAXIMUM GAIN	33 dB 44 dB
MAXIMUM INPUT LEVEL	-17 dBm
MINIMUM INPUT LEVEL	-47 dBm
MINIMUM OUTPUT LEVEL	8 dB (maximum)
GAIN FLATNESS OVER FULL BAND	10 dB
AGC RANGE	30 dB
LED INDICATION	RED / YELLOW / GREEN*
NOISE FIGURE	6 dB
RETURN LOSS	> 10 dB
CURRENT CONSUMPTION	150 mA
MAXIMUM DC PASS TO LNB	800 mA
OPERATING TEMPERATURE	-20°C - 60°C
POWER SUPPLY	90-240V AC, 12V DC 1A
DIMENSIONS	95 x 60 x 35 mm
ESD PROTECTION	8 kV

1 TRUNK LINE + 1 for PSU
1 TRUNK LINE + 1 TEST
950 ~ 2150 MHz
@950 MHz: 33 dB
@2150 MHz: 44 dB
Aggregated for 24 TPs: -17 dBm
Aggregated for 24 TPs: -47 dBm
Aggregated for 24 TPs: 8 dBm
Coax Cable compensation: 10 dB
Aggregated for 24 TPs: 30 dB
RED / YELLOW / GREEN*
6 dB
> 10 dB
150 mA
800 mA
-20 - +60°C
INPUT: 90-240V AC
OUTPUT: 12V DC 1A
95 x 60 x 35 cm
8 kV

*RED: Signal Underdrive (Signal too Low)
YELLOW: Signal Overdrive (Signal too High)
GREEN: Signal Within The Input Range

NUMBER OF INPUTS	1
NUMBER OF OUTPUTS	1
FREQUENCY RANGE	950 ~ 2150 MHz
MAX. OUTPUT LEVEL SAT @-35 dB	110 dBμV
IMD3	15 to 20 dB
GAIN TOTAL	950 MHz: 15.0 dB 1200 MHz: 16.0 dB 1450 MHz: 17.0 dB 1750 MHz: 18.0 dB 2050 MHz: 19.5 dB 2150 MHz 20.0 dB
GAIN @	
NOISE FIGURE	5 dB
RETURN LOSS	8 dB
IMPEDANCE	75 Ω
CURRENT CONSUMPTION	50 mA
DC PASSTHROUGH	Yes
LINE POWER DC VOLTAGE (MAX.)	15 to 20 VDC
SCREENING EFFICIENCY:	EN50083-2 (Class A)
CONNECTOR TYPE:	F-Female
MAIN MATERIAL:	Zinc Diecast



GT-INLS20
IN-LINE AMPLIFIER

SATELLITE FINDER

NUMBER OF INPUTS	1
NUMBER OF OUTPUTS	1
FREQUENCY RANGE	950 ~ 2150 MHz
MAXIMUM DC PASS TO LNB	+24V DC, 800 mA
OPERATING TEMPERATURE	-10°C - 50°C
POWER SUPPLY	+10V - 20V DC
DIMENSIONS	95 x 60 x 35 mm
DISPLAY	DIGITAL



GT-STD2

HIGH-PASS FILTER

FREQUENCY RANGE	5 ~ 2400 MHz
INSERTION LOSS	@ 950 - 2150MHz: 1.5dB @ 22kHz: 9dB
IMPEDANCE	75 Ω
DC PASS	24V, 1A maximum



GT-HPF1

TWIST CONNECTORS



GT-FFAZ



GT-FCFA



GT-FC7G



GT-FC7



GT-FC5



GT-FTVA



GT-FFMA



GT-TFA3Z



GT-TFA3



GT-FC7L90



GT-FFML

QUICK CONNECTORS



GT-PFC



GT-SI1RG6



GT-FQA



GT-QSIRG6



GT-FQF

COMPRESSION CONNECTORS



GT-FSCOM7



GT-FCOM7

OUTDOOR INSTALLATION



GT-DS31S
DiSEqC 3x1



GT-DS41S
DiSEqC 4x1



GT-DS81S
DiSEqC 8x1

INPUT FREQUENCY RANGE	950 ~ 2300 MHz	950 ~ 2300 MHz	950 ~ 2300 MHz
OUTPUT TABLE	SAT 1 + SAT 2 + SAT 3	SAT 1 + SAT 2 + SAT 3 + SAT 4	SAT 1 + SAT 2 + SAT 3 + SAT 4 + SAT 4 + SAT 5 + SAT 6 + SAT 7 + SAT 8
ISOLATION	30 dB	30 dB	30 dB
MAX CURRENT TO LNB	500 mA (Typical)	500 mA (Typical)	500 mA (Typical)
CURRENT CONSUMPTION	15 mA (Typical)	15 mA (Typical)	15 mA (Typical)
INPUT/OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-35°C ~ +70°C	-35°C ~ +70°C	-35°C ~ +70°C
INSERTION LOSS	2 dB (Typical)	2 dB (Typical)	2 dB (Typical)

INDOOR INSTALLATION



GT-DSL41
DiSEqC 4x1



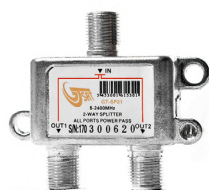
GT-DS61
DiSEqC 6x1



GT-DS81
DiSEqC 8x1

INPUT FREQUENCY RANGE	950 ~ 2300 MHz	950 ~ 2300 MHz	950 ~ 2300 MHz
OUTPUT TABLE	SAT 1 + SAT 2 + SAT 3	SAT 1 + SAT 2 + SAT 3 + SAT 4	SAT 1 + SAT 2 + SAT 3 + SAT 4 + SAT 4 + SAT 5 + SAT 6 + SAT 7 + SAT 8
ISOLATION	20 dB	30 dB	30 dB
MAX CURRENT TO LNB	500 mA (Typical)	500 mA (Typical)	500 mA (Typical)
CURRENT CONSUMPTION	10 mA (Typical)	15 mA (Typical)	15 mA (Typical)
INPUT/OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-35°C ~ +70°C	-35°C ~ +70°C	-35°C ~ +70°C
INSERTION LOSS	3 dB (Typical)	2 dB (Typical)	2 dB (Typical)

SPLITTERS



GT-SP21
SPLITTER 2x1



GT-SP31
SPLITTER 3x1



GT-SP41
SPLITTER 4x1

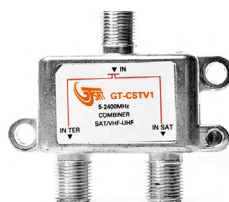


GT-SP81
SPLITTER 8x1

INPUT FREQUENCY RANGE	5 ÷ 2400 MHz	5 ÷ 2400 MHz	5 ÷ 2400 MHz	5 ÷ 2400 MHz
INSERTION LOSS	≤ 5 dB	≤ 9 dB	≤ 10 dB	≤ 15 dB
RETURN LOSS	≥ 10 dB	≥ 10 dB	≥ 10 dB	≥ 10 dB
DC PASS	DC Pass max. 24V, 0.8A	DC Pass max. 24V, 0.8A	DC Pass max. 24V, 0.8A	DC Pass max. 24V, 0.8A



GT-CSTV
COMBINER SAT/TER



GT-CSTV1
MINI COMBINER SAT/TER

FREQUENCY RANGE	TER/CAB input: 5 ÷ 860 MHz SAT input: 905 ÷ 2150 MHz	TER/CAB input: 5 ÷ 860 MHz SAT input: 905 ÷ 2150 MHz
INSERTION LOSS	≤ 3 dB	≤ 3 dB
OUT OF BAND REJECTION	≥ 20 dB	≥ 20 dB
SAT INPUT DC PASS	Max. 24V, 0.8 A	Max. 24V, 0.8 A

POWER INSERTER



GT-PI1

FREQUENCY	5 ~ 2150 MHz
INSERTION LOSS	2 dB maximum
INPUT/OUTPUT RETURN LOSS	≥ 10 dB maximum
CURRENT OF DC PASS	1A maximum
15 DC POWER SUPPLY	INCLUDED



SATELLITE DISHES



SATELLITE DISHES

CLICK LINE (EASY)

	GT-CL64 65 cm	GT-CL78 80 cm
DIAMETER SIZE	630 x 685 mm	750 x 825 mm
DISH THICKNESS	0.6 mm ±5%	0.6 mm ±5%
FREQUENCY RANGE	10.7-13GHz	10.7-13 GHz
LNB HOLDER	40 mm	40 mm
GAIN AT 11.75 GHZ	36.1 dB	37.6 dB
ELEVATION	5°C - 65°C	5°C - 65°C
RAW MATERIAL	Galvanized Steel Aluminium	Galvanized Steel Aluminium
FINISHING	Poly. powder coat	Poly. powder coat



EC LINE (ECO)



	GT-EC45 45 cm	GT-EC60 60 cm	GT-EC65 65 cm	GT-EC80 80 cm	GT-EC85 85 cm
DIAMETER SIZE	450 x 490 mm	590 x 630 mm	650 x 710 mm	780 x 850 mm	840 x 900 mm
DISH THICKNESS	0.5 mm ±5%	0.5 mm ±5%	0.6 mm ±5%	0.7 mm ±5%	0.7 mm ±5%
FREQUENCY RANGE	10.7-13GHz	10.7-13 GHz	10.7-13 GHz	10.7-13GHz	10.7-13 GHz
LNB HOLDER	40 mm	40 mm	40 mm	40 mm	40 mm
GAIN AT 11.75 GHZ	32.5 dB	35 dB	35 dB	37.5 dB	38 dB
ELEVATION	0°C - 90°C	0°C - 90°C	0°C - 90°C	0°C - 90°C	0°C - 90°C
RAW MATERIAL	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium
FINISHING	Poly. powder coat	Poly. powder coat	Poly. powder coat	Poly. powder coat	Poly. powder coat

HIGH LINE (PRO)



	GT-PRO60 60 cm	GT-PRO63 63 cm	GT-PRO65 65 cm	GT-PRO80 80 cm	GT-PRO85 85 cm
DIAMETER SIZE	590 x 630 mm	625 x 675 mm	650 x 710 mm	780 x 850 mm	840 x 900 mm
DISH THICKNESS	0.5 mm ±5%	0.6 mm ±5%	0.6 mm ±5%	0.7 mm ±5%	0.7 mm ±5%
FREQUENCY RANGE	10.7-13GHz	10.7-13 GHz	10.7-13 GHz	10.7-13GHz	10.7-13 GHz
LNB HOLDER	40 mm	40 mm	40 mm	40 mm	40 mm
GAIN AT 11.75 GHZ	35.5 dB	36.1 dB	36.1 dB	37.5 dB	38 dB
ELEVATION	0°C - 90°C	0°C - 90°C	0°C - 90°C	0°C - 90°C	0°C - 90°C
RAW MATERIAL	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium	Galvanized Steel Aluminium
FINISHING	Poly. powder coat	Poly. powder coat	Poly. powder coat	Poly. powder coat	Poly. powder coat

LNB





RE-MINI S
SINGLE STRAIGHT FEED



RE-MINI SL
SINGLE STRAIGHT FEED

INPUT FREQUENCY RANGE

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

OUTPUT FREQUENCY RANGE

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

LO. FREQUENCY

Low Band : 9.75 GHz
High Band : 10.60 GHz

Low Band : 9.75 GHz
High Band : 10.60 GHz

LO. FREQUENCY STABILITY

+/- 0.5 MHz (maximum) at r.t

+/- 0.5 MHz (maximum) at r. r.

LO. FREQUENCY PHASE NOISE

-60 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-97 dBc / Hz at 100 KHz (max.)

-60 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-100 dBc / Hz at 100 KHz (max.)

NOISE FIGURE

0.1 dB (typical)

0.1 dB (typical)

CONVERSION GAIN

60 ~ 64 dB

52 ~ 56 dB

GAIN FLATNESS 26MHz BANDWIDTH

+/- 0.5dB (typical)

+/- 0.5dB (typical)

POLARITY SWITCHING VOLTAGE

VERTICAL : 11.0 ~ 14.0 Vdc
HORIZONTAL : 16.0 ~ 20.0 Vdc

VERTICAL : 11.0 ~ 14.0 Vdc
HORIZONTAL : 16.0 ~ 20.0 Vdc

BAND SWITCHING

Low Band : 0 kHz
High Band : 22 kHz (+/- 4kHz)

Low Band : 0 kHz
High Band : 22 kHz (+/- 4kHz)

CROSS-POL. ISOLATION

22 dB (typical)

25 dB (typical)

IMAGE REJECTION

40 dB (minimum)

40 dB (minimum)

OUTPUT SPURIOUS

< -60 dBm

< -60 dBm

CURRENT CONSUMPTION

90 mA (typical)

90 mA (typical)

OUTPUT CONNECTOR TYPE

75 Ohms F-Female

75 Ohms F-Female

OPERATING TEMPERATURE RANGE

-40°C ~ +65°C

-40°C ~ +65°C

FEED LENGTH

29 mm

29 mm



PERFECT SOLUTION FOR
MULTIFEED INSTALLATION

easyConnect



RE-S1EC
SINGLE SLIM FEED L-SHAPE



RE-T1EC
TWIN SLIM FEED L-SHAPE

INPUT FREQUENCY RANGE

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

OUTPUT FREQUENCY RANGE

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

LO. FREQUENCY

Low Band : 9.75 GHz
High Band : 10.60 GHz

Low Band : 9.75 GHz
High Band : 10.60 GHz

LO. FREQUENCY STABILITY

+/- 1 MHz (maximum) at r.t.

+/- 1 MHz (maximum) at r.t.

LO. FREQUENCY PHASE NOISE

-65 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-105 dBc / Hz at 100 KHz (max.)

-65 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-105 dBc / Hz at 100 KHz (max.)

NOISE FIGURE

0.1 dB (typical)

0.1 dB (typical)

CONVERSION GAIN

60 ~ 64 dB

60 ~ 64 dB

GAIN FLATNESS 26MHz BANDWIDTH

+/- 0.5 dB (typical)

+/- 1 dB (typical)

POLARITY SWITCHING VOLTAGE

VERTICAL : 11.0 ~ 14.0 Vdc
HORIZONTAL : 16.0 ~ 20.0 Vdc

VERTICAL : 11.0 ~ 14.0 Vdc
HORIZONTAL : 16.0 ~ 20.0 Vdc

BAND SWITCHING

Low Band : 0 kHz
High Band : 22 kHz (+/- 4kHz)

Low Band : 0 kHz
High Band : 22 kHz (+/- 4kHz)

CROSS-POL. ISOLATION

22 dB (typical)

22 dB (typical)

IMAGE REJECTION

40 dB (minimum)

40 dB (minimum)

OUTPUT SPURIOUS

< -60 dBm

< -60 dBm

CURRENT CONSUMPTION

100 mA (typical)

180 mA (typical)

OUTPUT CONNECTOR TYPE

75 Ohms F-Female

75 Ohms F-Female

OPERATING TEMPERATURE RANGE

-40°C ~ +65°C

-40°C ~ +65°C

FEED LENGTH

75 mm

70 mm



PERFECT SOLUTION FOR
MULTIFEED INSTALLATION

easyConnect



RE-QT1EC
QUATTRO SLIM FEED L-SHAPE



RE-QD1EC
QUAD SLIM FEED L-SHAPE

INPUT FREQUENCY RANGE

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

Low Band : 10.7 ~ 11.7 GHz
High Band : 11.7 ~ 12.75 GHz

OUTPUT FREQUENCY RANGE

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

Low Band : 950 ~ 1950 MHz
High Band : 1100 ~ 2150 MHz

LO. FREQUENCY

Low Band : 9.75 GHz
High Band : 10.60 GHz

Low Band : 9.75 GHz
High Band : 10.60 GHz

LO. FREQUENCY STABILITY

+/- 1 MHz (maximum) at r.t

+/- 1 MHz (maximum) at r.t

LO. FREQUENCY PHASE NOISE

-65 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-105 dBc / Hz at 100 KHz (max.)

-65 dBc / Hz at 1 KHz (maximum)
-85 dBc / Hz at 10 KHz (maximum)
-105 dBc / Hz at 100 KHz (max.)

NOISE FIGURE

0.1 dB (typical)

0.1 dB (typical)

CONVERSION GAIN

60 ~ 64 dB

60 ~ 64 dB

GAIN FLATNESS 26MHz BANDWIDTH

+/- 1 dB (typical)

+/- 1 dB (typical)

POLARITY SWITCHING VOLTAGE

-

VERTICAL : 11.0 ~ 14.0 Vdc

-

HORIZONTAL : 16.0 ~ 20 Vdc

-

BAND SWITCHING

-

Low Band : 0 kHz

-

High Band: 22 kHz (+/- 4 kHz)

-

CROSS-POL. ISOLATION

22 dB (typical)

22 dB (typical)

IMAGE REJECTION

40 dB (minimum)

40 dB (minimum)

OUTPUT SPURIOUS

< -60 dBm

< -60 dBm

CURRENT CONSUMPTION

170 mA (typical)

180 mA (typical)

OUTPUT CONNECTOR TYPE

75 Ohms F-Female

75 Ohms F-Female

OPERATING TEMPERATURE RANGE

-40°C ~ +65°C

-40°C ~ +65°C

FEED LENGTH

75 mm

70 mm



RE-MDS43W
SINGLE MONOBLOCK 4,3°



RE-43TMD80
TWIN MONOBLOCK 4,3°



RE-43QMD80
QUAD MONOBLOCK 4,3°

INPUT FREQUENCY RANGE	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz
LO. FREQUENCY	Low Band : 9.75 GHz High Band : 10.60 GHz	Low Band : 9.75 GHz High Band : 10.60 GHz	Low Band : 9.75 GHz High Band : 10.60 GHz
LO. FREQUENCY STABILITY	+/- 1 MHz (maximum) at r.t.	+/- 1 MHz (maximum) at r.t.	+/- 1 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26MHz BANDWIDTH	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
POLARITY SWITCHING VOLTAGE	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc
BAND SWITCHING	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)
FEED SWITCHING	DiSEqC 1.0	DiSEqC 1.0	DiSEqC 1.0
CROSS-POL. ISOLATION	25 dB (typical)	25 dB (typical)	25 dB (typical)
IMAGE REJECTION	40 dB (minimum)	40 dB (minimum)	40 dB (minimum)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	120 mA (typical)	140 mA (typical)	210 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C	-40°C ~ +65°C
FEED LENGTH	32 mm	36 mm	40 mm



RE-SM680
SINGLE MONOBLOCK 6°



RE-TM680
TWIN MONOBLOCK 6°



RE-QDM680
QUAD MONOBLOCK 6°

INPUT FREQUENCY RANGE	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz	Low Band : 10.7 ~ 11.7 GHz High Band : 11.7 ~ 12.75 GHz
OUTPUT FREQUENCY RANGE	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz	Low Band : 950 ~ 1950 MHz High Band : 1100 ~ 2150 MHz
LO. FREQUENCY	Low Band : 9.75 GHz High Band : 10.60 GHz	Low Band : 9.75 GHz High Band : 10.60 GHz	Low Band : 9.75 GHz High Band : 10.60 GHz
LO. FREQUENCY STABILITY	+/- 1 MHz (maximum) at r.t.	+/- 1 MHz (maximum) at r.t.	+/- 1 MHz (maximum) at r.t.
LO. FREQUENCY PHASE NOISE	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)	-60 dBc / Hz at 1 KHz (max.) -85 dBc / Hz at 10 KHz (max.) -105 dBc / Hz at 100 KHz (max.)
NOISE FIGURE	0.1 dB (typical)	0.1 dB (typical)	0.1 dB (typical)
CONVERSION GAIN	57 ~ 61 dB	57 ~ 61 dB	57 ~ 61 dB
GAIN FLATNESS 26MHz BANDWIDTH	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)	+/- 0.5 dB (typical)
POLARITY SWITCHING VOLTAGE	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc	VERTICAL : 11.0 ~ 14.0 Vdc HORIZONTAL : 16.0 ~ 20 Vdc
BAND SWITCHING	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)	Low Band : 0 kHz High Band: 22 kHz (+/- 4 kHz)
FEED SWITCHING	DiSEqC 1.0	DiSEqC 1.0	DiSEqC 1.0
CROSS-POL. ISOLATION	22 dB (typical)	22 dB (typical)	25 dB (typical)
IMAGE REJECTION	40 dB (minimum)	40 dB (minimum)	40 dB (minimum)
OUTPUT SPURIOUS	< -60 dBm	< -60 dBm	< -60 dBm
CURRENT CONSUMPTION	120 mA (typical)	140 mA (typical)	210 mA (typical)
OUTPUT CONNECTOR TYPE	75 Ohms F-Female	75 Ohms F-Female	75 Ohms F-Female
OPERATING TEMPERATURE RANGE	-40°C ~ +65°C	-40°C ~ +65°C	-40°C ~ +65°C
FEED LENGTH	28 mm	29 mm	40 mm

OPTICAL CONVERTERS





RE-OQTC
OPTICAL QUATTRO CONVERTER



RE-OQDC
OPTICAL QUAD CONVERTER

WAVELENGTH
INPUT OPTICAL POWER

INPUT FREQUENCY

OUTPUT FREQUENCY

POLARIZATION SWITCHING

BAND SWITCHING

OPERATING TEMPERATURE
OPTICAL INPUT
ELECTRICAL OUTPUT
DIMENSIONS (L x W x D)

1310 nm
SML PON Mode 0 ... -8 dBm
STD PON Mode -8 ... -15 dBm

VERTICAL : 0.95 - 3.00 GHz
HORIZONTAL : 3.40 - 5.45 GHz

950 - 1950 MHz
1100 - 2150 MHz
950 - 1950 MHz
1100 - 2150 MHz

11 - 14V DC
16 - 19V DC

Low Band : 0 kHz
High Band : 22 kHz

-20°C to +60°C
FC/PC
4 x F-connector
125 x 108 x 25 mm

1310 nm
SML PON Mode 0 ... -8 dBm
STD PON Mode -8 ... -15 dBm

VERTICAL : 0.95 - 3.00 GHz
HORIZONTAL : 3.40 - 5.45 GHz

950 - 1950 MHz
1100 - 2150 MHz
950 - 1950 MHz
1100 - 2150 MHz

-
-
-
-
-
-

-20°C to +60°C
FC/PC
4 x F-connector
125 x 108 x 25 mm

MULTISWITCH





RE-MSPR5/24C
CASCADE MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 5 - 862 MHz (passive) 5 - 2300 MHz (passive)
CONTROL		DiSEqC 1.0/2.0
INSERTION LOSS/GAIN	Satellite: Terrestrial Active: Terrestrial Passive:	10 dB average Loss - 22 dB average Loss
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	20 dB minimum 25 dB minimum 25 dB minimum
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBμV average 105 dBμV average (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	95 dBμV average 83 dBμV average (passive)
POWER CONSUMPTION	From Each Receiver: From Power Supply:	80 mA (18V) 4 W (passive) external
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 186 x 146 x 51 mm -25°C to + 60°C



RE-MSPR9/8
TERMINAL MULTISWITCH



RE-MSPR9/12
TERMINAL MULTISWITCH



RE-MSPR9/16
TERMINAL MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 40 - 862 MHz 40 - 2400 MHz	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite: Terrestrial Passive: Insertion Loss Trunk (SAT): Insertion Loss Trunk (TER):	< 5 dB 15 dB average Loss - -	< 2 dB < 27 dB - -	2 dB < 27 dB - -
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBμV 105 dBμV (passive)	105 dBμV 105 dBμV (passive)	105 dBμV 105 dBμV (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	105 dBμV 90 dBμV passive	102 dBμV 90 dBμV (passive)	102 dBμV 88 dBμV (passive)
POWER CONSUMPTION	From Each Receiver: From Power Supply:	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 270 x 110 x 63 mm 0°C to + 60°C	- 272 x 202 x 63 mm -0°C to + 60°C	- 272 x 202 x 63 mm 0°C to + 60°C



RE-MSPR9/24
TERMINAL MULTISWITCH

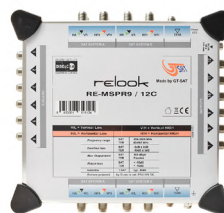


RE-MSPR9/32
TERMINAL MULTISWITCH

FREQUENCY RANGE	LNB Inputs:	950 - 2400 MHz	950 - 2400 MHz
	Terrestrial Input:	40 - 862 MHz (passive)	40 - 862 MHz (passive)
	Outputs:	40 - 2400 MHz (passive)	40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0	DiSEqC 1.0
		+ 13/18V + 0/22 kHz	+ 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite:	< 2 dB	< 2 dB
	Terrestrial Passive:	< 31 dB	< 31 dB
	Insertion Loss Trunk (SAT):	-	-
	Insertion Loss Trunk (TER):	-	-
SATELLITE INPUTS ISOLATION	Between V/H Polarisations:	> 30 dB	> 30 dB
	Between Low/High Bands:	> 30 dB	> 30 dB
	Between Satellite Systems:	> 30 dB	> 30 dB
MAXIMUM INPUT LEVEL	Satellite:	105 dBμV	105 dBμV
	Terrestrial:	105 dBμV (passive)	105 dBμV (passive)
MAXIMUM OUTPUT LEVEL	Satellite:	102 dBμV	102 dBμV
	Terrestrial:	90 dBμV (passive)	90 dBμV (passive)
POWER CONSUMPTION	From Each Receiver:	50 mA (18V)	50 mA (18V)
	From Power Supply:	0,5 W (passive)	0,5 W (passive)
OTHER	Ter. Preamplifier supply:	-	-
	Dimensions (W x D x H):	390 x 198 x 63 mm	302 x 198 x 63 mm
	Temperature Change:	0°C to + 60°C	0°C to + 60°C



RE-MSPR9/8C
CASCADE MULTISWITCH



RE-MSPR9/12C
CASCADE MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite: Terrestrial Passive: Insertion Loss Trunk (SAT): Insertion Loss Trunk (TER):	< 3 dB < 23 dB < 1 dB < 2 dB	< 2 dB < 27 dB < 2 dB < 4 dB
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBμV 105 dbμV (passive)	102 dBμV 88 dbμV (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	102 dBμV 88 dbμV (passive)	50 dBμV 83 dbμV (passive)
POWER CONSUMPTION	From Each Receiver: From Power Supply:	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 124 x 202 x 63 mm 0°C to + 60°C	- 185 x 202 x 63 mm 0°C to + 60°C



RE-MSPR9/16C
CASCADE MULTISWITCH



RE-MSPR9/32C
CASCADE MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite: Terrestrial Passive: Insertion Loss Trunk (SAT): Insertion Loss Trunk (TER):	< 2 dB < 27 dB < 2 dB < 5 dB	< 2 dB < 31 dB < 6 dB < 6 dB
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBμV 105 dBμV (passive)	105 dBμV 105 dBμV (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	50 dBμV 88 dBμV (passive)	102 dBμV 90 dBμV (passive)
POWER CONSUMPTION	From Each Receiver: From Power Supply:	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 272 x 202 x 63 mm 0°C to + 60°C	- 302 x 192 x 63 mm 0°C to + 60°C



RE-MSPR13/12C
CASCADE MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0 + 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite: Terrestrial Passive: Insertion Loss Trunk (SAT): Insertion Loss Trunk (TER):	< 3 dB < 27 dB - -
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	> 30 dB > 30 dB > 30 dB
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBµV 105 dbµV (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	102 dBµV 90 dbµV passive
POWER CONSUMPTION	From Each Receiver: From Power Supply:	50 mA (18V) 0,5 W (passive)
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 189 x 291 x 63 mm 0°C to + 60°C



RE-MSPR17/12C
CASCADE MULTISWITCH



RE-MSPR17/24C
CASCADE MULTISWITCH



RE-MSPR17/32C
CASCADE MULTISWITCH

FREQUENCY RANGE	LNB Inputs: Terrestrial Input: Outputs:	950 - 2400 MHz 40 - 862 MHz 40 - 2400 MHz	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)	950 - 2400 MHz 40 - 862 MHz (passive) 40 - 2400 MHz (passive)
CONTROL		DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz	DiSEqC 1.0 + 13/18V + 0/22 kHz
INSERTION LOSS/GAIN	Satellite: Terrestrial Passive: Insertion Loss Trunk (SAT): Insertion Loss Trunk (TER):	< 3 dB < 27 dB - -	< 2 dB < 31 dB - -	< 2 dB < 31 dB - -
SATELLITE INPUTS ISOLATION	Between V/H Polarisations: Between Low/High Bands: Between Satellite Systems:	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB	> 30 dB > 30 dB > 30 dB
MAXIMUM INPUT LEVEL	Satellite: Terrestrial:	105 dBμV 105 dBμV (passive)	105 dBμV 105 dBμV (passive)	105 dBμV 105 dBμV (passive)
MAXIMUM OUTPUT LEVEL	Satellite: Terrestrial:	105 dBμV 90 dBμV passive	102 dBμV 90 dBμV (passive)	102 dBμV 90 dBμV (passive)
POWER CONSUMPTION	From Each Receiver: From Power Supply:	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)	50 mA (18V) 0,5 W (passive)
OTHER	Ter. Preamplifier supply: Dimensions (W x D x H): Temperature Change:	- 189 x 291 x 63 mm 0°C to + 60°C	- 304 x 291 x 63 mm 0°C to + 60°C	- 304 x 291 x 63 mm 0°C to + 60°C



RE-A17
25 db AMPLIFIER

FREQUENCY RANGE	LNB Inputs:	950 - 2300 MHz
	Terrestrial Input:	40 - 862 MHz
CONTROL	Outputs:	950 - 2150 MHz (SAT) 40 - 862 MHz (TER)
		-
INSERTION LOSS/GAIN	Satellite:	25 dB average gain
	Terrestrial Active:	22 dB average gain
	Terrestrial Passive:	-
SATELLITE INPUTS ISOLATION	Between V/H Polarisations:	25 dB minimum
	Between Low/High Bands:	25 dB minimum
	Between Satellite Systems:	25 dB minimum
MAXIMUM INPUT LEVEL	Satellite:	80 dBμV average
	Terrestrial:	76 dBμV average (passive)
MAXIMUM OUTPUT LEVEL	Satellite:	105 dBμV average
	Terrestrial:	98 dBμV average (passive)
POWER CONSUMPTION	From Each Receiver:	-
	From Power Supply:	1350 mA (12V DC)
OTHER	Ter. Preamplifier supply:	-
	Dimensions (W x D x H):	186 x 146 x 55 mm
	Temperature Change:	-25°C to +60°C



RE-A9/24
24 dB AMPLIFIER

SAT INPUTS	8 x 950 - 2400 MHz
TER INPUTS	1 x 40 - 862 MHz
IMPEDANCE INPUTS AND OUTPUTS	75 Ohm
GAIN SAT	27 ... 30 dB
GAIN TER	> 30 dB
ISOLATION H/V	> 30 dB
LEVEL ADJUSTER	15 dB
SLOPE	3 dB
SLOPE ADJUSTER	7
NOISE FIGURE TER/SAT	7/10 dB
SAT IMA3	118 dBμV
TER IMA3	112 dBμV
CURRENT CONSUMPTION	580 mA
VOLTAGE POWER SUPPLY	12 ... 18 V
RETURN LOSS	< -10 dB
DC CONNECTOR TYPE	DC-Jack 5,5 / 2,1
OPERATING TEMPERATURE RANGE	-20 ... 70 (with PSU max 50 °C)
DIMENSIONS	160 x 11 x 61 mm
WEIGHT	500 gr

ACCESSORIES



DiSEqC SWITCH



RE-DSPRT8/1
DiSEqC 8x1 + TER

FREQUENCY RANGE LNB INPUTS	950 - 2300 MHz
FREQUENCY RANGE TER INPUTS	5 - 862 MHz
FREQUENCY RANGE OUTPUT	5 - 2300 MHz
INSERTION LOSS SAT	5 dB average
INSERTION LOSS TER	3 dB average
SAT INPUTS ISOLATION	25 dB minimum
POWER CONSUMPTION	50 mA (18 V)
DC PASS	24 V, 400 mA maximum
CONTROL COMMANDS	DiSEqC 1.0, 1.1
DIMENSIONS (W x L x H)	11.2 * 11.2 * 4.8 cm
TEMPERATURE RANGE	-35°C ~ +70°C

CONNECTOR



RE-RJ45C
FOR UTP CABLE

ELECTRICAL	Voltage Rating:	125V AC
	Current Rating:	1.5 A
	Contact Resistance:	30 mΩ MAX.
	Insulation Resistance:	500 MΩ MIN 500 VDC.
	Dielectric Withsand:	500 VAC R.M.S. 60Hz, 1MIN.

MECHANICAL	Insertion Force:	10 N
	Pull-out Force:	10 N
	Locking Force:	75 N
	Mechanical Operations:	250 Mating cycles Min.

MATERIAL	Housing:	PC (94V-0)
	Contact:	Phosphor Bronze T = 0.35 mm
	Plating:	Au 3u"
	Shield:	H65 Brass T = 0.25 mm

ENVIRONMENTAL	Storage:	-40°C to 85°C
	Operation:	0°C to 70°C

CONFORMING TO FCC PART 68.



RE-PLC200+PLUG
200 Mbps

TRANSMISSION SPEEDS	Ethernet 10/100 Mbps
SECURITY	56bit DES
DEVICE PORT	1 x Ethernet RJ45
POWER SUPPLY	Internal 196-250V AC/50Hz
CERTIFICATION	CE

WALLSOCKET



RE-W2SHE
TV / FM / SAT1 / SAT2

FREQUENCY RANGE	FM (80 - 108 MHz)
	TV (120 - 862 MHz)
	SAT 1 (950 - 2400 MHz)
	SAT 2 (950 - 2400 MHz)

LTE FILTER



RE-FLTE
LTE & GSM FILTER

FREQUENCY RANGE	5 - 350 MHz
	470 - 790 MHz
IMPEDANCE	75 Ω
DC PASS	0 -20 V, max. 300 mA



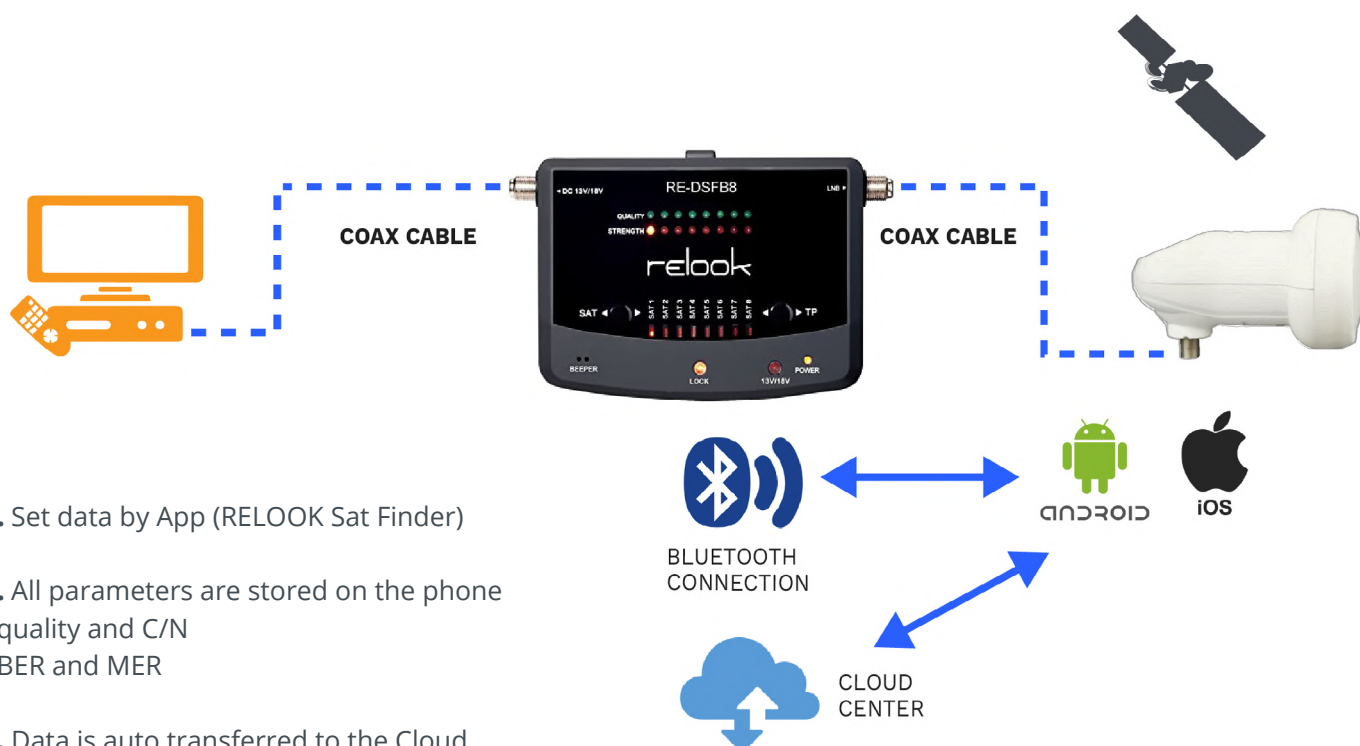
RE-DSFB5
1 SAT / 4TPs + 1 LNB TYPE
PARAMETERS PRESET



RE-DSFB8
8 SAT / 4TPs + 1 LNB TYPE
PARAMETERS PRESET

DEMODULATOR MODE	QPSK, 8PSK	QPSK, 8PSK
INPUT FREQUENCY	950 - 2150 MHz	950 - 2150 MHz
INPUT IMPEDANCE	75 Ω	75 Ω
INPUT LEVEL	-65 dBm - 0dBm	-65 dBm - 0dBm
SYMBOL RATE	45 Msps for QPSK, 8PSK	45 Msps for QPSK, 8PSK
CODE RATE	1/2, 2/3, 3/4, 3/5, 5/6, 7/8, 8/9, 9/10	1/2, 2/3, 3/4, 3/5, 5/6, 7/8, 8/9, 9/10
DC INPUT RANGE	DC 13V / 18V LED indicator	DC 13V / 18V LED indicator
TEMPERATURE RANGE	0°C to +60°C	0°C to +60°C
MAX RELATIVE HUMIDITY	0 - 95% RH	0 - 95% RH
SIZE	118 x 89 x 28 mm	118 x 89 x 28 mm
WEIGHT	0.122 kg	0.122 kg

- SIGNAL STRENGTH AND SIGNAL LEVEL LOCK LED INDICATOR
- BUILT-IN BLUETOOTH BLE FOR CONNECT TO ANDROID/iOS SMARTPHONE
- BEEPER FOR REMIND SIGNAL LOCK FUNCTION SUPPORT
- 1 SAT (RE-DSFB5) or 8 SAT (RE-DSFB8) / 4 TP's AND ONE LNB PARAMETERS PRESET



PATCH CORDS



RE-CRJ-45
CAT5e PATCH CORD

OUTER JACKET
HIGH QUALITY
CONDUCTORS
LENGTH
CALIBER
CABLE DIAMETER
WIRING CONDITION
CONNECTOR LEVEL
INSULATION RESISTANCE
STANDARD

Yellow PVC
-
2.0 m
28AWG
4.5 mm
GOOD, PASS
TIGHTENED, PASS
10MΩ minimum
568B

2 x
2 x Male
-
RJ-45 8P8C GOLD PINS
CONNECTOR



RE-CPCRJ-11
RJ-11 PATCH CORD

Gray PVC
99.99% oxygen free
-
2.0 m
28AWG
4.5 mm
GOOD, PASS
TIGHTENED, PASS
10MΩ minimum
GOLD PINS

2 x
2 x RJ11 Male
GOLD PINS
RJ11 2P2C CRYSTAL
HEAD CONNECTOR



RE-RJ45CAT6A
CAT6a PATCH CORD

PVC
-
-
2.0 m
24AWG
4.5 mm
GOOD, PASS
TIGHTENED, PASS
-
00. CE Marking - EU
99. WEEE Directive
-
-
RJ45 8(8)
CAT6a S/FTP



RE-RJ45CAT6
CAT6 PATCH CORD

Gray PVC
-
-
2.0 m
24AWG
4.5 mm
GOOD, PASS
TIGHTENED, PASS
-
00. CE Marking - EU
99. WEEE Directive
-
-
RJ45 8(8)
CAT6 U/UTP

HDMI CABLE

RCA CABLE



RE-3RCA15
3x RCA CABLE

OUTER JACKET
HIGH QUALITY
CONDUCTORS
LENGTH
CABLE DIAMETER
INNER WIRE
WIRING CONDITION
CONNECTOR LEVEL

PVC
99.99% Oxygen Free Conductors

1.5 m
2.6mm x 7.8mm
(10 / 0.10CSS * 1C
+ 10 / C0.10CSS) * 3P
GOOD, PASS
TIGHTENED, PASS

BRASS RCA CONNECTORS
RED/YELLOW/WHITE
SURFACE SMOOTHNESS
GLOSSINESS
GOOD ELECTROPLATING QUALITY
NO ABRAISON, NO SCRATCH

PLUG



RE-HDMI20
HIGH SPEED HDMI CABLE

OUTER JACKET
HQ CONDUCTORS
LENGTH
WIRE
VIDEO RESOLUTION

BANDWIDTH
FRAME RATE
COLOR DEPTH
CERTIFICATIONS

PVC
99.99% Oxygen Free C.
2.0 m
26AWG
(4k x 2k pixels) must support
full 1080p, 1440p, 1600p, 2160p
13.8 Gbps speed (data transfer)
120Hz
12 bit
RoHS, UL, CE, FCC,
ISO9001: 2008, ISO14001: 2004
300 VDC 5MΩ / 10ms
10MΩ / 10ms
2 Ω maximum
-25°C - +80°C
100 +/- 10Ω (TDR)

VOLTAGE
INSULATION RESISTANCE
CONTACT RESISTANCE
OPERATING TEMPERATURE
IMPEDANCE DIFFERENCE

- 3D compatibility, 4k x 2k, ARC return audio channel
- Support 7.1 surround sound formats and lossless audio formats
(DTS-HD & Dolby Digital True HD)

CABLES



CU MULTI COAX RG6



RE-4xRG6CUB
17VATC/120 dB



RE-5xRG6CUB
17VATC/120 dB



RE-9xRG6CUB
17VATC/120 dB



RE-RG6CUW100
RE-RG6CUW100B
RE-RG6CUW250

CENTER CONDUCTOR ± 0.01	Material:	Cu	Cu	Cu	Cu
	Diameter:	1.13 mm	1.13 mm	1.13 mm	1.13
DIELECTRIC	Material:	Foam PE	Foam PE	Foam PE	Foam PE
	Type:	Physical	Physical	Physical	Physical
	Colour white:	O.K	O.K	O.K	O.K
	Colour green:	Option	Option	Option	Option
	Diameter ±0.10:	4.80 mm	4.80 mm	4.80 mm	4.80 mm
NORME	CLASS A				
FIRST SHIELD	Tape:	Al-PET	Al-PET	Al-PET	Al-PET
SECOND SHIELD		9μ - 12μ	9μ - 12μ	9μ - 12μ	9μ - 12μ
	Wires:	Al	Al	Al	Al
	Braid:	16 x 4 x 0.12	16 x 4 x 0.12	16 x 4 x 0.12	16 x 4 x 0.12
JACKET	Material:	PVC	PVC	PVC	PVC
	Internal Colours:	Black, Green, Blue, Red	Black, Green, White, Red, Yellow	White, Black, Blue, Pink, Yellow, Brown, Red, Orange, Green	White or Black
	External Colour:	Black	Black	Black	White or Black
	Diameter ± 0.10:	6.80 mm	6.80 mm	6.80 mm	6.80 mm
	Jacket Finishing:	EU	EU	EU	EU
ELECTRICAL PROPERTIES	Impedance ±3:	75 Ω	75 Ω	75±2 Ω	75±2 Ω
	Atten. dB/100m max. @862 MHz:	17.0	17.0	17.0	17.0
	Id at 2150 MHz:	28.4	28.4	28.1	28.1
OUTSIDE JACKET	Material:	PVC Black	PVC Black	PVC Black	PVC White
	Colour:	Black	Black	Black	White
	Diameter ±0.10:	26.2 mm	20.5	26.5	26.2
	Jacket Finishing (*):	EU	EU	EU	EU
PACKAGING	Reel:	WOOD	WOOD	WOOD	Plastic or WOOD
	Length m ±0.5:	100 m	100 m	100 m	250 m or 100 m
	Supply Unit:	1x100m	1x100m	1x100m	1 x 250 or 1 x 100m



RE-RG4CS
SINGLE CCS RG4



RE-2RG4CS
TWIN CCS RG4

OUTER JACKET
OUTER DIAMETER
NO. OF SHIELDS
SHIELDING
DIELECTRIC INSULATOR
INNER CONDUCTOR
COLOR
CABLE LENGTH

PVC (High temp. resistance)
4.25 mm (+/- 0.2 mm)
2
Al Foil + 48*0.12 Al
2.35 mm Foam PE
0.5 mm CCS 21%
White
200 m in Paper Reel

PVC (High temp. resistance)
4.25 mm (+/- 0.2 mm)
2
Al Foil + 48*0.12 Al
2.35 mm Foam PE
0.5 mm CCS 21%
White
100 m in Paper Reel



RE-RG4CS



RE-2RG4CS

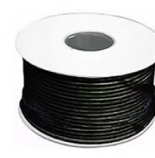
CCS SINGLE COAX RG6



RE-RG69CS305
SINGLE CCS RG6



RE-RG6CS100
SINGLE CCS RG6



RE-RG6CS100B
SINGLE CCS RG6

OUTER JACKET
OUTER DIAMETER
NO. OF SHIELDS
SHIELDING
DIELECTRIC INSULATOR
INNER CONDUCTOR
COLOR
CABLE LENGTH

PVC (High temp. resistance)
6.9 mm (+/- 0.2 mm)
2
Bonded Al Foil + 112*0.16 Al
4.57 mm Foam PE
1.02 mm CCS 21%
White
305 m in Paper Reel

PVC (High temp. resistance)
6.8 mm (+/- 0.2 mm)
2
Bonded Al Foil + 48*0.12 Al
4.57 mm Foam PE
1.02 mm CCS 21%
White
100 m in Paper Reel

PVC (High temp. resistance)
6.8 mm (+/- 0.2 mm)
2
Bonded Al Foil + 48*0.12 Al
4.57 mm Foam PE
1.02 mm CCS 21%
Black
100 m in Paper Reel

SINGLE COAX RG7

RE-RG7C+305
CU RG7

RE-C70TR
CCS RG7

OUTER JACKET
OUTER DIAMETER
NO. OF SHIELDS
SHIELDING

PE + PVC (High temp. resistance)
7.6 mm (+/- 0.2 mm)
2
Al/PET/Al Foil + 64*0.1 mm TC

PVC (High temp. resistance)
7.6 mm (+/- 0.2 mm)
4
Bonded Al/PET/Al Foil + 80*0.12 mm Al
+ Al/PET/Al Foil + 48*0.15 mm Al



RE-RG7C+305
CU RG7

DIELECTRIC INSULATOR
INNER CONDUCTOR
COLOR
CABLE LENGTH

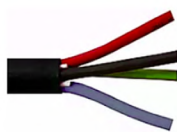
4.8 mm Foam PE
1.13 mm CU
White
305 m in Wooden Reel

4.57 mm Foam PE
1.02 mm CCS 21%
White
305 m in Wooden Reel



RE-C70TR
CCS RG7



**RE-RG6 4xCCS****RE-RG6 5xCCS****RE-RG6 9xCCS**

CENTER CONDUCTOR ± 0.01	Material: Diameter:	CCS (21%) 1.02 mm	CCS (21%) 1.02 mm	CCS (21%) 1.02 mm
DIELECTRIC	Material: Type: Colour white: Colour green (option): Diameter ±0.10:	PE Foam White - 4.57 mm	PE Foam White - 4.57 mm	PE Foam White - 4.57 mm
NORME FIRST SHIELD	CLASS A Tape:	AL-FOIL -	AL FOIL -	AL-FOIL -
SECOND SHIELD	Wires: Braid:	Al-Mg Alloy wire 64 x 0.12 mm	Al-Mg Alloy wire 64 x 0.12 mm	Al-Mg Alloy wire 64 x 0.12 mm
JACKET	Material: Internal Colours: External Colour: Diameter ± 0.10: Jacket Finishing:	PVC - Blue/Yellow/Green/ Red 6.8 mm -	PVC - White/Green/Red/ Yellow/Blue 6.8 mm -	PVC - White/Green/Red/ Orange Yellow/Blue/ Brown/Purple/Black 6.8 mm -
ELECTRICAL PROPERTIES	Impedance ±3: Atten. dB/100m max. @862 MHz Id at 2150 MHz:	75 Ω 20.5 dB 32.5 dB	75 Ω 20.5 dB 32.5 dB	75 Ω 20.5 dB 32.5 dB
OUTSIDE JACKET	Material: Colour: Diameter mm ±0.10: Jacket Finishing (*):	PVC Black 18.5 mm -	PVC Black 20.5 mm -	PVC Black 28 mm -
PACKAGING	Reel: Length m ±0.5: Supply Unit:	45 x 45 x 30.5 cm 100 m -	45 x 45 x 40 cm 100m -	58 x 58 x 42 mm 100 m -



RE-UTPCAT5E24305W
UTP CAT5e

PHYSICAL CHARACTERISTICS

Nr. of Conductor Pairs:	4
Size:	25 AWG
Stranding:	1/0.47 ± 0.008mm
Conductor material:	Bare Copper
Shield material:	NO
Rip Cord:	YES
Insulation Overall Diameter:	0.95 ± 0.02mm
Insulation Avg. Thickness:	0.225 ± 0.02mm
Insulation Material:	HDPE
Outer Jacket:	PVC W001-G White
O. J. Avg. Wall thickness:	0.55 ± 0.02mm
Outer Jacket Nom. O. D.:	5.2 ± 0.2mm

COLOUR CODE

Pair 1	BLUE: Blue/White
Pair 2	ORANGE: Orange/White
Pair 3	GREEN: Green/White
Pair 4	BROWN: Brown/White

MECHANICAL

CHARACTERISTICS

Temp. rating (installation):	-20°C to +70°C
Temp. rating (operating):	-20°C to +70°C
Min. Ben radius:	Eight times the outer
Max. Pulling force:	25 lbs
Tensile strength (pre-aging):	>= 13.8 Mbpa
Elongation (pre-aging):	>= 100%
Aging condition:	100°C * 168 hours
After aging:	>= 85% unaged
	>= 85% unaged

ELECTRICAL

CHARACTERISTICS

Rated Temperature/Voltage:	2000V/KM
Max. Conductor DC res. @20°C:	9.5Ω / 100 meters
Max. DC res. Unbalanced @20°C:	5%
Max. Pair-Pair GND Capacit. Unb.:	330pF/100 meters
Characteristic Impedance (1~100 MHz)	100 ± 10Ω
Mutual Capacitance:	5.6 nF /100 meters
Maximum Delay Skew:	45ns /100 meters

PACKAGING

305m in CARTON BOX

WHITE

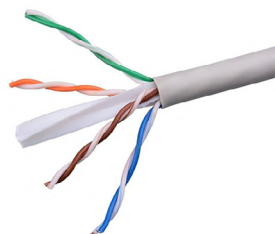
CABLE MARKING

As per customer request



RE-UTPCAT5E24305WLSZH
UTP CAT5e

CONDUCTOR	Material:	Solid Bare Copper
	Diameter:	0.45 ± 0.005mm
	AWG:	1.13
REFERENCE STANDARD		ISO/IEC 11801
		TIA/EIA568C
MULTI-CONSTRUCTION		4 pairs (8 cores)
INSULATION (HDPE)	Thickness:	AVG: 0.225mm, MIN: 0.22mm
	Insulation diameter:	0.84 ± 0.02 mm
EACH PAIR IS TWISTED	Polyester:	NO
AND UNSHIELDED	Filler:	NO
	AL/PET:	NO
	Drain Wire:	NO
	Rip Cord:	YES
	Thickness:	AVG: 0.5mm, MIN: 0.45mm
JACKET (LSZH)	Outer diameter:	4.8 ± 0.20 mm
	Jacket Colour:	WHITE
	BLUE:	White/Blue
COLOUR (INSULATION C.)	ORANGE:	White/Orange
	GREEN:	White/Green
	BROWN:	White/Brown
MARKING		According to customer.
CHARACTERISTICS	Max. Cond. DC res. @20°C:	< 95 Ω/km
	Rated temperature:	75°C
	Rated Voltage:	300V
	Velocity Ratio:	66%
PACKAGING INFORMATION: (CONTACT US FOR MORE DETAILS)		305m/Pull-Box
		100m/Roll
		500m/Wooden reel



RE-UTPCAT623305W
UTP CAT6

CONDUCTOR	Material:	Solid Bare Copper
	Diameter:	0.52± 0.005mm
	AWG:	23
REFERENCE STANDARD		ISO/IEC 11801
		ANSI/TIA/EIA568B.2-1
MULTI-CONSTRUCTION		4 pairs (8 cores)
INSULATION (HDPE)	Thickness:	AVG: 0.225mm, MIN: 0.5mm
	Insulation diameter:	0.93 ± 0.02 mm
EACH PAIR IS TWISTED AND UNSHIELDED	Polyester:	NO
	Filler:	YES
	AL/PET:	NO
	Drain Wire:	NO
	Rip Cord:	YES
JACKET (PVC)	Thickness:	AVG: 0.55mm, MIN: 0.5mm
	Outer diameter:	6.1 ± 0.20 mm
	Jacket Colour:	WHITE
COLOUR (INSULATION C.)	BLUE:	White/Blue
	ORANGE:	White/Orange
	GREEN:	White/Green
	BROWN:	White/Brown
MARKING		According to customer.
CHARACTERISTICS	Max. Cond. DC res. @20°C:	< 93.8 Ω/km
	Rated temperature:	75°C
	Rated Voltage:	300V
	Velocity Ratio:	65%
PACKAGING INFORMATION:		
(CONTACT US FOR MORE DETAILS)		305m/Pull-Box



RE-UTPCAT726305
UTP CAT7

DESCRIPTION	Temp. rating installation:	0°C ~ 50°C
	Temp. rating operation:	-20°C ~ +60°C
CONSTRUCTION	Flaming test:	IEC60332-1
	Application:	FOR PATCH CABLE
	Reference standard:	ISO/IEC 1180 & IEC61156-6
	Conductor:	SOLID BARE COPPER
	AWG:	26
	Structure:	7/0.16
	Conductor dia. (±0.01mm):	0.48 mm
	Insulation:	FMPE
	Avg. Thickness	0.28 mm
	Insulation dia. (±0.01mm):	1.06 mm
	Twisted:	2C
	AL Foil (each pair):	YES
	Assembly:	4P
	Braid:	TINNED COPPER
	Single diameter:	0.1 mm
	Coverage (%):	>= 40%
	Jacket:	LSZH
	Avg. Thickness:	0.50 mm
	Min. Point Thickness:	0.42 mm
	Outer dia. (±0.01mm):	6.2 mm
COLOUR	Jacket colour:	According to customer.
	Insulation colours:	BLUE: Blue & White
		ORANGE: Orange & White
ELECTRICAL CHARACTERISTICS		GREEN: Green & White
		BROWN: Brown & White
	Max. Conductor DC resistance @20°C:	145 Ω/KM
	Min. insulation resistance:	5000 MΩ*KM
	Mutual Capacitance @1KHz:	< 56 nF/KM
	Pair-to-Ground Capacitance unbalance:	<= 160 pF/100m
	Delay Skew:	4-600MHz / ≤25
	Resistance unbalance within a pair:	<= 2%
	Min. Bending radius installation:	8*OD
	NVP:	72%
MECHANICAL CHARACTERISTICS	Min. elongation @break of the conductor:	>= 10%
	Min. elongation @break of the insulation:	> 300%
	Min. elongation @break of the sheath:	> 100%
	Tensile strength of sheath:	> 9Mpa
	Aging condition:	100 x 168 °C x hrs
	After tensile Strength:	≥70% of unaged
	Aging elongation:	≥70% of unaged

PAGE	REFERENCE	PCS./BOX	EAN CODE
	dMULTISWITCH®		
6	GT-dMS1WBT	40	543001616292
6	GT-dMS2T	1	543001616315
6	GT-dMS4T	1	543001616322
7	dCONTROLLER®	1	543001615622
	LNB		
	Wide Band Line		
9	GT-WB1	36	543001611945
	dCSS® Line		
10	GT-S1dCSS24	50	543001611969
11	GT-S2dCSS24	50	543001611976
12	GT-S3dCSS24	36	543001611990
13	GT-dLNB1T	36	543001611686
13	GT-dLNB2T	50	543001611983
14	GT-FR8A121	20	543001611501
	Universal Compact Line		
15	GT-SLRC1	100	543001615561
15	GT-TL1	100	543001615578
15	GT-QDL1	50	543001615585
16	GT-QTL1	50	543001615608
16	GT-QTM40	50	543001615639
16	GT-OCL1	30	543001615592
	Circular Line		
17	GT-SCIR40M	50	543001611402
17	GT-TCIR40M	36	543001611419
17	GT-QDCIR40M	36	543001611426
	Monoblock Line		
18	GT-MO3	60	543001611099
18	GT-TMO3	36	543001611082
18	GT-QDMO3	36	543001611280
19	ACCESSORIES		
20	GT-AGC1	1	543001613581
20	GT-AGCAMP-2	1	543001613581
20	GT-INLS20	1	543001613581
21	GT-STD2	50	543001615011
22	GT-HPF1	-	-
23	CONNECTORS	-	-
23	GT-DS31S	100	543001615189
23	GT-DS41S	100	543001615196
23	GT-DS81S	100	543001615226
23	GT-DSL41	200	543001615288
23	GT-DS61	100	543001615264
24	GT-DS81	100	543001615271
24	GT-SP21	300	543001615301
24	GT-SP31	300	543001615325
24	GT-SP41	300	543001615318
24	GT-SP81	100	543001615349
24	GT-CSTV	200	543001615219
24	GT-CSTV1	200	543001615202
24	GT-PI1	200	543001613567
25	SATELLITE DISHES		
	FOR ALL DETAILS AND PACKAGING INFORMATION, PLEASE CONTACT US.		

PAGE	REFERENCE	PCS./BOX	EAN CODE
	LNB		
	Premium Line		
28	RE-MINI S	72	543001615783
28	RE-MINI SL	72	543001615783
	Universal Line		
29	RE-S1EC	100	543001615851
29	RE-T1EC	50	543001615868
30	RE-QT1EC	50	543001615875
30	RE-QD1EC	50	543001615882
	Monoblock Line		
31	RE-MDS43W	30	543001615950
31	RE-43TMD80	30	543001615967
31	RE-43QMD80	30	543001615974
32	RE-SM680	50	543001615929
32	RE-TM680	30	543001615936
32	RE-QDM680	30	543001615943
	OPTICAL CONVERTER		
34	RE-OQTC	1	543001616025
34	RE-OQDC	1	543001616018
	MULTISWITCH		
36	RE-MSPR5/24C	1	543001616049
37	RE-MSPR9/8	1	543001616117
37	RE-MSPR9/12	1	543001616215
37	RE-MSPR9/16	1	543001616100
38	RE-MSPR9/24	1	543001616278
38	RE-MSPR9/32	1	543001616261
39	RE-MSPR9/8C	1	543001616216
39	RE-MSPR9/12C	1	543001616124
40	RE-MSPR9/16C	1	543001616131
40	RE-MSPR9/32C	1	543001616254
41	RE-MSPR13/12C	1	543001616257
42	RE-MSPR17/12C	1	543001616193
42	RE-MSPR17/24C	1	543001616240
42	RE-MSPR17/32C	1	543001616247
43	RE-A17	1	543001616209
43	RE-A9/24	1	543001616209
	ACCESSORIES		
45	RE-DSPRT8/1	1	543001615141
45	RE-RJ45C	5000	-
45	RE-W2SHE	100	543001615424
45	RE-PLC200+PLUG	15	543001615424
45	RE-FLTE	1	543001613543
46	RE-DSFB5	20	543001615462
46	RE-DSFB8	20	543001616479
47	RE-CRJ45	340	-
47	RE-CPCRJ11	500	-
47	RE-RJ45CAT6A	340	-
47	RE-RJ45CAT6	340	-
47	RE-3RCA15	250	-
47	RE-HDMI20	250	-
48	CABLES		
	FOR ALL DETAILS AND PACKAGING INFORMATION, PLEASE CONTACT US.		



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