SPLITTER SD504

PRODUCT DESCRIPTION

Splitter SD504 is designed for splitting 5 input lines (4 SAT and 1 terrestrial TV) into 2 paths. It can be used as the end tap in cascaded branch of network.

The splitter meets shielding requirements of class A according standard EN 50083-2.

The splitter is intended for indoor use only.

SAFETY INSTRUCTIONS

Installation of the splitter must be done according IEC60728-11 and national safety standards.

Any repairs must be done by a qualified personnel.

No naked flame sources, such as lighted candles, should be placed on splitter.

MOUNTING

The splitter must be fixed with steel screws Ø 4-5 mm. The screws are not included in a package.

OPERATING

Splitter SD504 consists of 5 highly isolated splitters for every input line. Splitters distributes signals into two equal parts, maintaining line matching properties and isolation between different paths.

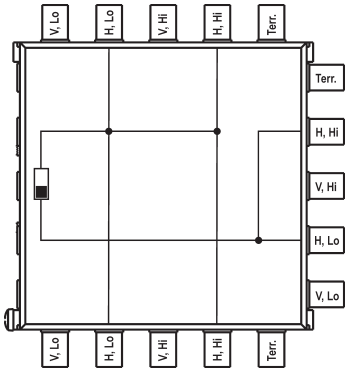
Connectors on splitter can accept cables with central pin diameter up to 1.2 mm.

Regarding DC both terrestrial TV branches have through pass but current limit up to 0.1 A be maintained.

Managing of DC pass through SAT TV lines is more complicated because of dual application of device as a splitter or tap.

The next diagrams demonstrates DC pass features for horizontal and vertical polarization lines.

For H lines (18 V)



For V lines (14 V) and Terrestrial TV

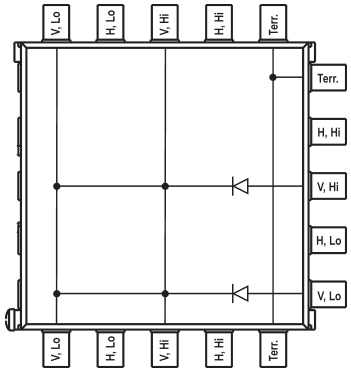


Figure 1. DC pass diagrams

TECHNICAL CHARACTERISTICS

Frequency range	SAT IF	950-2400 MHz
	Terr. TV	5-862 MHz
Through loss	SAT IF	4 dB
	Terr. TV	4 dB
Tap loss	SAT IF	4 dB
	Terr. TV	4 dB
SAT inputs decoupling	SAT IF	30 dB
	Terr. TV	30 dB
DC pass through	V lines	0.5 A max.
	H lines	2 A max. (1 A max. through one line)
	Terr.TV lines	0.1 A max.
Return loss		> 10 dB
Operating temperature range		-20° ÷ + 50° C
Dimensions/Weight (packed)		126x135x30 mm/0.44 kg

Vers. 1.03

This product complies with the relevant clauses of the European Directive 2002/96/EC. The unit must be recycled or discarded according to applicable local and national regulations.

Equipment intended for indoor usage only.

Functional grounding. Connect to the main potential equalization.

TERRA confirms, that this product is in accordance to following norms of EU: EMC norm EN50083-2, safety norm EN60065, RoHS norm EN50581.

TERRA confirms, that this product is in accordance with Custom Union Technical Regulations: “Electromagnetic compatibility of technical equipment“ CU TR 020/2011, “On safety of low-voltage equipment“ CU TR 004/2011.

TERRA confirms, that this product is in accordance with safety standard AS/NZS 60065 and EMC standards of Australia.

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