

PRODUCT DESCRIPTION

This series of taps SD510, SD515 SD520 is intended for use in 5 cables cascaded type satellite and terrestrial TV distribution networks. Each tap has different tap loss parameter and their proper arrangement in network allows to equalize signal strength on every tap output.

The taps are intended for indoor use only.

RoHS compliant.

SAFETY INSTRUCTIONS

Installation of the tap must be done according local safety standards.

Any repairs must be done by a qualified personnel.

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

 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.

OPERATING

Every tap SD510, SD515, SD520 consists of 5 separate highly isolated taps for 4 SAT TV and 1 terrestrial TV lines.

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

Terrestrial TV tap has DC through pass.

Both path of SAT TV trunk lines has DC through pass.

Horizontal polarization lines can be used for multiswitches connected to the tap outputs. Voltage for this purpose can be directed by switch on the side of tap.

Vertical polarization lines has no pass to the tap outputs. Below is diagram demonstrating DC pass through taps.

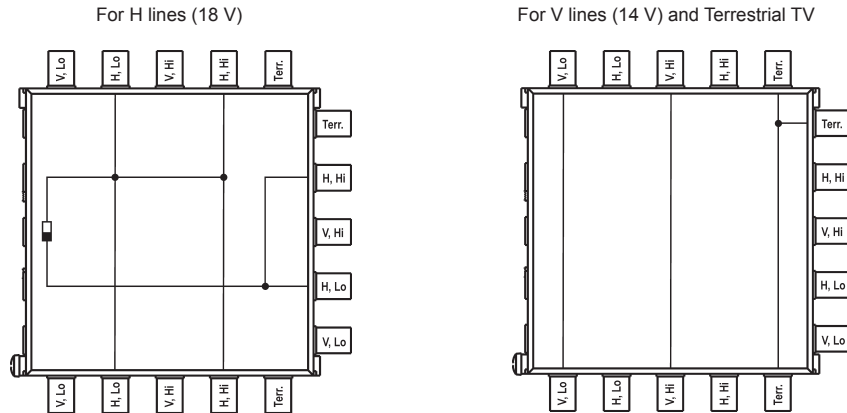


Figure 1. DC pass diagrams

TECHNICAL CHARACTERISTICS

Type		SD510	SD515	SD520
Frequency range	SAT IF	950-2400 MHz		
	Terr. TV	5-862 MHz		
Through loss	SAT IF	1.5 dB	1.1 dB	0.8 dB
	Terr. TV	1.8 dB	1.3 dB	1.1 dB
Tap loss	SAT IF	12 ÷ 8 dB	17 ÷ 13 dB	22 ÷ 18 dB
	Terr. TV	10 dB	15 ÷ 16 dB	20 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.		
		> 10 dB		
Return loss		> 10 dB		
Operating temperature range		-20° ÷ + 50° C		
Dimensions/Weight (packed)		126x135x30 mm/0.44 kg		