

TAPS SD510, SD515, SD520

PRODUCT DESCRIPTION

This series of taps SD510, SD515 SD520 are 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 meet shielding requirements of class A according standard EN 50083-2.

The taps are intended for indoor use only.

SAFETY INSTRUCTIONS

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

Any repairs must be done by a skilled personnel.

MOUNTING

The tap must be fixed with steel screws Ø 4-5 mm. The screws are not included in a package. Shields of cables must be connected to main potential equalization bus.

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.



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.



This product is in accordance to following norms of EU: EMC norm EN50083-2, safety norm EN IEC62368-1, RoHS norm EN50581.

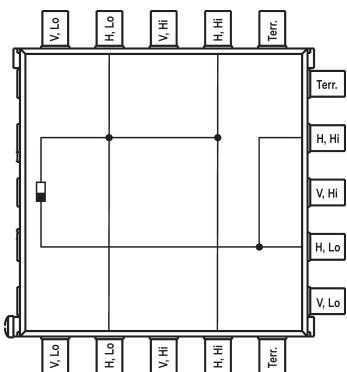


This product is in accordance with Custom Union Technical Regulations: "Electromagnetic compatibility of technical equipment" CU TR 020/2011, "On safety of low-voltage equipment" CU TR 004/2011.



This product is in accordance with safety standard AS/NZS 60065 and EMC standards of Australia.

For H lines (18 V)



For V lines (14 V) and Terrestrial TV

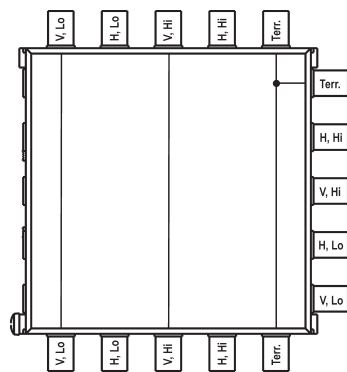


Figure 1. DC pass diagrams

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.	
Return loss			> 10 dB	
Operating temperature range			-20° ÷ + 50° C	
Dimensions/Weight (packed)			126x135x30 mm/0.44 kg	