

Code: TR-1RJ-HD*P2

VIDEO BALUN TR-1RJ-HD*P2

Net: 4.70 EUR Gross: 4.70 EUR

The TR-1RJ-HD*P2 is designed to video signals transmission and power supplying via twisted-pair cable (UTP, FTP). The device adapts the impedance of coaxial cable 75 Ω to the impedance of symmetrical line, ensuring transmission of video signal up to 250m @ 720p / 150m @ 1080p (twisted-pair cable category 5e) and eliminates asymmetric interferences.



SPECIFICATION

In package:	2 pcs The price for package
Standard:	• AHD - 8 Mpx 4K UHD, • HD-CVI - 8 Mpx 4K UHD, • HD-TVI - 8 Mpx 4K UHD, • CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	1 Video, 1 DC
Coaxial socket voltage range 75 Ω (CVBS):	1 Vpp
Video transmission range:	• 250 m @ 720p - UTP cat. 5e • 150 m @ 1080p - UTP cat. 5e • 400 m @ CVBS - PAL, NTSC - UTP cat. 5e
Attenuation:	• 4.43 MHz @ 0.64 dB • 11 MHz @ 0.85 dB • 21 MHz @ 1.09 dB • 38 MHz @ 1.19 dB • 42 MHz @ 1.23 dB • 67.5 MHz @ 2.06 dB
Symmetrical socket impedance:	100 Ω
Connectors type:	Video - BNC Plug with cable Power supply - Socket / Plug 2.1/5.5 mm
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket
Permissible relative humidity:	< 95 %
Operation temp:	-50 $^{\circ}$ C ... 55 $^{\circ}$ C
Power supply distance:	Power supply 12V DC : 150 m @ 110 mA 100 m @ 160 mA 50 m @ 330 mA 30 m @ 550 mA
Weight:	0.030 kg
Dimensions:	41 x 19.3 x 19.2 mm
Guarantee:	2 years

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PRESENTATION



Connectors view:





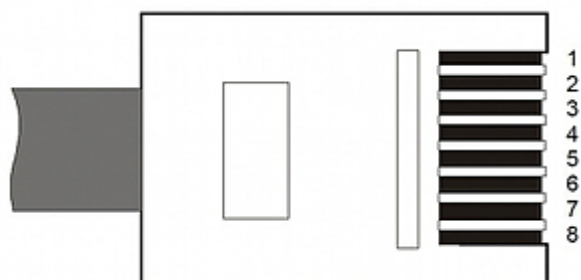
The device is tiny sizes:



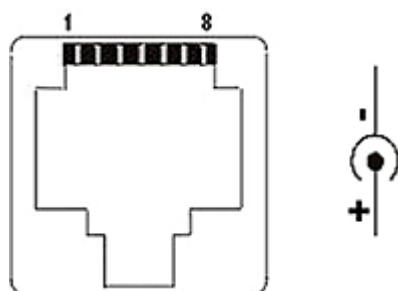
The transformers have been equipped with RJ-45 plugs backlight signaling that the device is live:



Wiring sequence inside the RJ-45 plug:



- 1) White/Orange - video signal (+)
- 2) Orange - video signal (-)
- 3) White/Green - power supply 12V (+)
- 4) Blue - power supply 12V (+)
- 5) White/Blue - power supply 12V (+)
- 6) Green - power supply 12V (-)
- 7) White/Brown - power supply 12V (-)
- 8) Brown - power supply 12V (-)



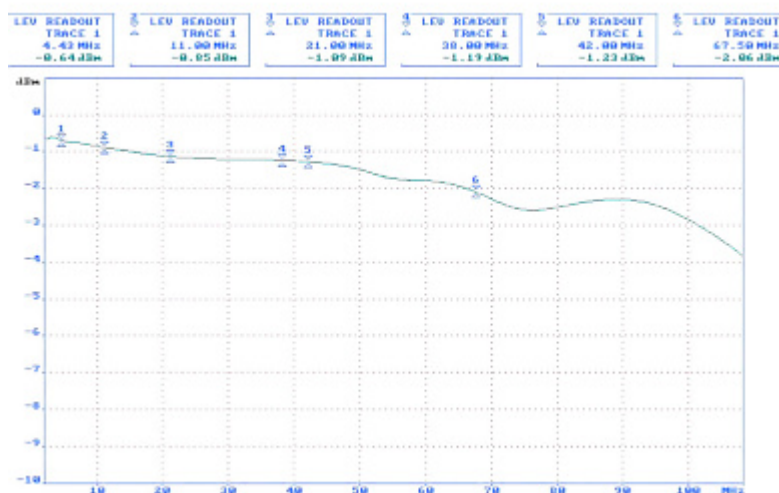
Power plug polarization

Package:



OUR TESTS

Amplitude - frequency response - 2 transformers connected briefly (RF PWR OUT = 0 dBm):



PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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