

Code: TR-1PV/G

VIDEO BALUN TR-1PV/G

Net: 0.19 EUR Gross: 0.19 EUR



The TR-1PV/G is designed to video signals transmission and power supplying via twisted-pair cable (UTP, FTP). The device adapts the impedance of coaxial cable 75Ω to the impedance of symmetrical line, ensuring transmission of video signal up to 400m (twisted-pair cable category 5) and eliminates asymmetric interferences. If the power connectors are not used, they can be used to DATA transmission.

SPECIFICATION

Standard:	<ul style="list-style-type: none">• AHD-M - 720p,• CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	1 Video 1 DC
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Video transmission range:	<ul style="list-style-type: none">• 250 m @ 720p - UTP cat. 5e• 400 m @ CVBS - PAL / NTSC - UTP cat. 5e
Attenuation:	<ul style="list-style-type: none">• 4.43 MHz @ 0.96 dB• 11 MHz @ 1.66 dB• 21 MHz @ 3.27 dB• 38 MHz @ 33.23 dB• 42 MHz @ 31.77 dB• 67.5 MHz @ 5.42 dB
Symmetrical socket impedance:	100 Ω
Connectors type:	<ul style="list-style-type: none">• Video - BNC Angular plug,• Power supply - Socket 2.1 / 5.5 mm
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket
Permissible relative humidity:	< 95 %
Operation temp:	-50 °C ... 55 °C
Power supply distance:	<ul style="list-style-type: none">• Power supply 12V DC 118 m @ 100 mA 79 m @ 150 mA 59 m @ 200 mA 47 m @ 250 mA
Weight:	0.030 kg

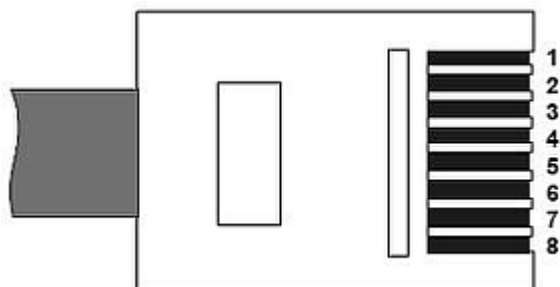
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Dimensions:	41 x 39 x 22 mm
Guarantee:	2 years

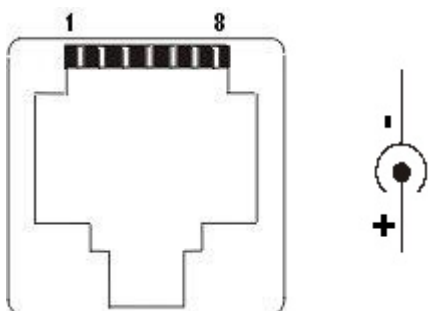
PRESENTATION



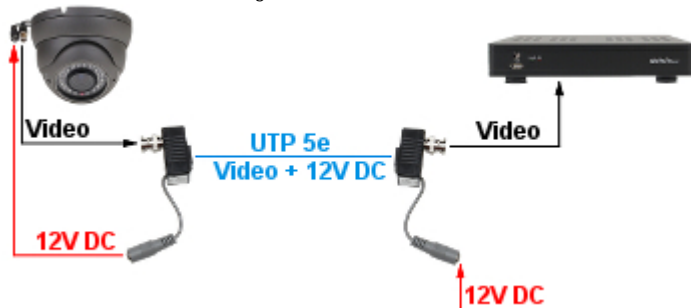
Wiring sequence inside the RJ-45 plug:



- White/Orange - video signal (+)
- Orange - video signal (-)
- White/Green - NC (not connected)
- Blue - power supply (+)
- White/Blue - power supply (+)
- Green - NC (not connected)
- White/Brown - power supply (-)
- Brown - power supply (-)

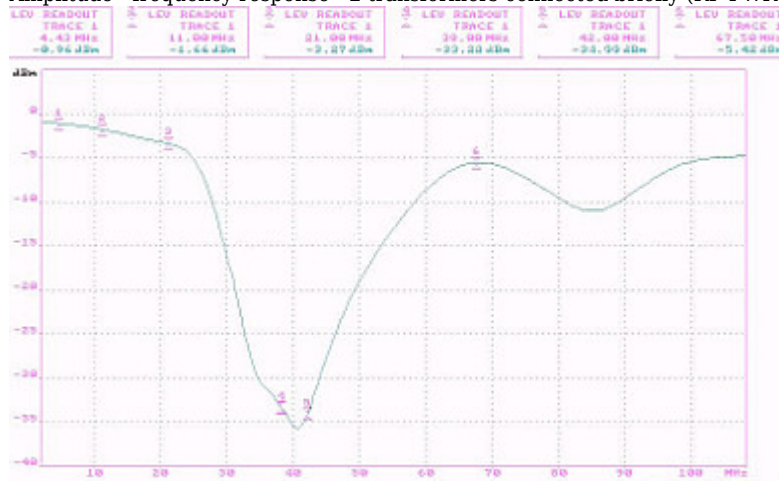


Transmission schematic diagram:



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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