

Product sheet

Two-wire Transmitter PST95ZDS



Article Number: 500504

Short description:

- Analogue video two-wire transmitter
- BAS or FBAS signals
- Video-GND/ground wire separately
- Two-wire line over video transformer
- Electrically isolated

Specification

Standard:	PAL, NTSC, SECAM
Video inputs:	Wrap connection
Video input level / impedance	1 V _{ss} 75 Ω
Video outputs:	Wrap connection
Two-wire output:	1.5 V _{ss} at 100Ω, or 120 Ω
Pre-equalisation:	6 dB / 12 dB
Bandwidth:	5 MHz
Diff. Phase:	< 0.6 °
Diff. Gain:	< 0.6 %
Signal/noise ratio:	> 64 dB rms rated
Linearity fault:	< 0.3 %
K-2T:	< 1.2 %KF
Clamp fault:	< 0.1 %
Droop:	< 1 %
Operational voltage:	±5 V DC
Power input:	about 1 W
Operation temperature:	+10 °C to +40 °C
Humidity:	90 % non-condensing
Design:	plug-in card
Dimensions (W x H x D):	86 mm x 70 mm x 10 mm
Weight:	about 0.05 kg

Meets the following CE-Standards:

Emitted interference	EN 55022
Burst	EN 610004-4
ESD	EN 610004-2
Surge	EN 610004-5
Sinusoidal HF	EN 610004-6
Net interrupt	EN 610004-11
Interference resistance	EN 610004-3

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Description of functions

With the ZDS95ZDS/VTZ98, ZDS95ZDS/VTZ94 system. it is possible to bypass 1500m and 2800m respectively over a symmetric two-wire line, e.g. (A-2Y(L)2Y4x2x0.8).

Due to system equalisation of up to 40 dB and 60 dB respectively at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control and Sync-Burst-Regeneration, a proper transmission of images is achieved.

On the emission side (PST95ZDS) a 6 dB/12 dB increase can be adjusted at 5 MHz. Thus a higher signal/noise ratio can be achieved.

The transmission end levels are electrically isolated from the transmission line by transmitters. Thus a high electrical strength is achieved.

The component assembly is provided as plug-in card and can be used for KAK200, PST98MFV or PST95RS devices.

All information provided in this product sheet refers to the current conditions and may be subject to change.