



Product sheet

Twisted Pair Video-Receiver VTZ05

19" Version

Article Number: 500936 VTZ05
500957 VTZ05Z



Short description:

- Floating video-receiver through transformer coupling
- Video lost detection
- VTZ05Z with repeater
- Overvoltage protection
- Triple impedance switching
- Black control
- Amplifier control
- Active equalisation
- 60 dB system equalisation
- 2800m transmitting distance
- Test port
- Isolated power supply

Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	2 BNC
Video outputs:	2 BNC, decoupled outputs
Video input level / impedance	1 V _{ss} 75 Ω
Video output level / impedance	1 V _{ss} 75 Ω
Twisted pair input:	1.5 V _{ss} at 100Ω, or 120 Ω
Twisted pair output (repeater):	1.5 V _{ss} at 120 Ω
Equalisation:	60 dB
Pre-equalisation:	6 dB / 12 dB
Level control:	± 6 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:	24 V DC
System voltage BGT:	230 V AC
Power input BGT:	about 50 VA
Protection class:	1 according to VDE 0804
Operation temperature:	-20 °C to +50 °C
Humidity:	90% non-condensing



Product sheet

Twisted Pair Video-Receiver VTZ05 19" Version

Design:	Cassette
Dimensions (W x H x D):	61 mm x 129 mm x 160 mm (7 TE x 3 HE)
Weight:	about 0.6 kg
Dimensions: module rack BGT230 (W x H x D)	84TE x 3HE x 300 mm
Dimensions: module rack BGT230 (W x H x D)	483 mm x 131 mm x 300 mm
Weight: module rack BGT230	about 4.1 kg

Meets the following CE-Standards:

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

Description of functions

With the ZDS94/VTZ05 system 2800m can be bypassed by symmetric twisted-pair lines, e.g. (A-2Y(L)2Y4x2x0.8).

The equaliser can also be installed as coaxial cable equaliser (BNC input). The input impedance can be switched to 75 Ω .

Up to seven field lengths of 1800m each can be bypassed (12600m) due to system equalisation up to 60 dB at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control.

Cable attenuation equalisation is provided by Sync-Level-Control.

Due to separate and active equalising filters only those frequencies which are allocated to the respective adjuster are modified during balancing.

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

19" versions and weather proof versions are available.

Accessories:

<i>Article Number:</i>	<i>Description</i>
500457	Construction set VTZ94/05RS
500460	Module rack BGT230

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