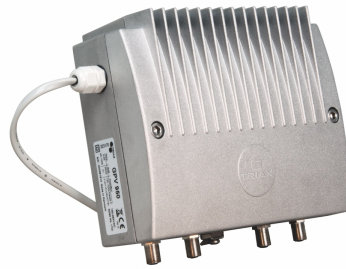




# TRIAX

connecting the future



## GPV 950 amplifier w/ active RC, 85...1006MHz

Article number: 323170

### Product description:

#### High Output Distribution Amplifier with active return path

GPV 950 are high output Distribution Amplifiers for use in CATV distribution networks in multi-dwelling premises primarily. Switching of the basic gains enables to configure the amplifiers as line extender or as cascade amplifier in trunk position. All functional parts and setting elements are implemented on the printed board. Thus you do not need external accessories for configuration and operation of the amplifier in generally. That basic type is mains fed via Euro-plug.

#### All features at glance

- One-board technology: all functionalities on one board implemented
- Rotary switches in 1 dB steps for settings of attenuation and equalization
- Downstream: 85...1006 MHz by max. output level 113 dB $\mu$ V
- Upstream: 5-65 MHz, max. output 120 dB $\mu$ V (high load performance for DOCSIS 3.x, KDG-Class D)
- Basic gain selectable via jumpers
- Return path mode selectable: active / passive / off
- Integrated cablesimulator
- State of the art 1 GHz technology
- Excellent and stable amplifier characteristics
- Low power consumption because of high efficient switching PSUs
- Extensive ESD and surge protection

## Specifications

ORDER INFORMATION	
EAN Number	5702663231702
CHARACTERISTICS	
Return Path	5...65 MHz
Output level CSO @ 60 dB IMD (42 ch) flat	114/116 dB $\mu$ V
Output level CTB @ 60 dB IMD (42 ch) flat	113/115 dB $\mu$ V
Output level return path	120 dB $\mu$ V
FREQUENCY	
Frequency range - Forward	87...1006 MHz
Frequency range	85...1006 MHz
Frequency response	$\pm$ 1.0 dB
GAIN	
Gain - Return path	32/26 /-2 dB
Noise figure - Forward (VHF I "off")	6,0 dB
Slope - Interstage	DS 0/3/7/10, US 0/3/6/9 dB
Gain forward - Interstage	41/33 dB dB
LOSS	
Equalization	0...15 dB, 1 dB steps by rotary switches
Attenuation forward - line equalizer at input	41 dB
RETURN LOSS	
Return loss - Input (-1,5 dB / octave)	>18 dB
Return loss - Output (-1,5 dB / octave)	>18 dB
ELECTRICAL	
Impedance	75 $\Omega$
OPERATIONAL	
AC Supply voltage	190...264 VAC
Power Consumption (typ.)	15 W
Operating temperature range	-25...+55 $^{\circ}$ C
IP Housing protection class	IP 65

Reference standards	EN 50083-2, EN 60065, EN 60728-11, EN 60728-3
Insulation Class	II
<b>CONNECTORS</b>	
Number of inputs	1
Number of outputs	1
RF connector - Test point input: bi-directional	-20 dB
RF connector - Test point output: directional	-20 dB
Connector Type	F-female
<b>MECHANICAL</b>	
Product Length	170 mm
Main material	Zinc diecast
Product Width	180 mm
Product Height	145 mm
Product Depth	70 mm
Colour	Silver
Packing QTY	1
Packaging Height	0,240 m
Packaging Width	0,170 m
Packaging Depth	0,078 m
Packaging Volume	0,003 m <sup>3</sup>
Net Weight	1,600 kg
Tara Weight	0,150 kg
Total Weight	1,750 kg