VHF/UHF Amplifier Model GTV0479

The amplifier is used for amplification VHF/UHF signals.

Design

The amplifier is housed in a standard aluminium case with very good RF shielding and consists of the following sub-assemblies:

- RF amplifier module
- bypass relays

Special features

The unit is constructed using a modular approach which enables ease of installation and maintenance.

Technical data	measured a 25° C
Model number:	GTV0479
Item number:	(will be assigned after order)
Configuration:	1 input, 1 output amplifier with bypass relays bypass status if amplifier is without DC
RF specifications	
Impedance (Ohm):	50
Frequency range (MHz):	20...1300
Gain (dB):	
50...1300 MHz	9.0 min.
below 50 MHz	10.0 max.
Insertion loss (dB):	1.5 max. bypass mode
Gain flatness (dB):	+/-1.0 max.
Noise figure (dB):	
50...1300 MHz	7.0 typ.
below 50 MHz	9.0 max.
Intercept point (dBm):	
3rd order	+35 min.
2nd order	+45 min.
VSWR:	2.0 : 1 max.
Input power (dBm):	+13 CW max.
Further specifications	
RF connectors:	N female, 50 Ohm
Power supply (Vdc):	+12...+15, 220 mA via coax cable at output
Temperature range (°C):	
Operating	-30...+70
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
Dimensions:	
Height (mm)	approx. 200
Width (mm)	approx. 100
Depth (mm)	approx. 81

Specifications subject to change without notice, 2014-03-14, dble_gtv0479.docx