



Amplifier module MLV-557-0942-03

MTS-No.: 54.00.0942-03

Short description

This amplifier has been developed by MTS to amplify signals in the measurement technology. In combination with an adjustable attenuator the amplifier is controllable by IEEE488- or RS-232-interface. Also an application in a 19"-unit with a power supply and other components is available on request.



Picture similar!

Technical Data:

1 RF-Specifications:

1.1 Impedance	50 Ω
1.2 Frequency range	1 MHz - 500 MHz
1.3 Input power	+7 dBm max.
1.4 Output power (1 dB GPC)	37 dBm / 5 W min.
1.5 Gain	40 dB min.
1.6 Gain linearity	±2,0 dB max.
1.7 ICP3	1-100 MHz 50 dBm min. ..-500 MHz 48 dBm min. (@ 2x +20 dBm; Δf = 1 MHz)
1.8 Noise figure	6 dB typ., 7 dB max.
1.9 VSWR In	2.5 : 1 max.; 2,2 : 1 typ.
1.10 Operating class	A, CW
1.11 Harmonics 2. order	-20 dBc min.
1.12 Harmonics 3. order	-18 dBc min.

2 Connections:

2.1 RF input	SMA female
2.2 RF output	SMA female
2.3 Voltage	28 V DC-feedthrough filter and grounding pin

3 General specifications:

3.1 Internal voltage	28 V DC ± 5 %
3.2 Power consumption	2 A max. @ 5 W

3.3 Operating temperature	0 °C to +40 °C
3.4 Storage temperature	-20 °C to +70 °C
3.5 Reference temperature for specifications	+25 °C
3.6 Water and dust protect	IP62 to DIN 40050
3.7 Cooling	Without heat sink, power must be dissipated, max. bottom plate temperature +55 °C
3.8 Dimensions (without connections)	130 mm x 59 mm x 34 mm (LxWxH)
3.9 Case style	Milled aluminium enclosure
3.10 Colour	Yellow chromated
3.11 Weight	Approx. 0,2 kg

4 Delivered parts:

MLV-557-0942-03

5 Comments:

Warranty	12 months
RoHS-compliant	No

6 Recommended accessories:

RF-cables
Bias tees
Heat sinks