

UW-1019-P

DESCRIPTION:

Amplifier UW-1019-P is used in the receive channel of the SNR-125M system. It replaces the tube amplifier UW 1019.

It serves for amplification of microwave signals in X band and is protected by a solid-state limiter with ferrite circulator and discharge tube switch. It can operate with input pulse power up to 1kW.

Environment:

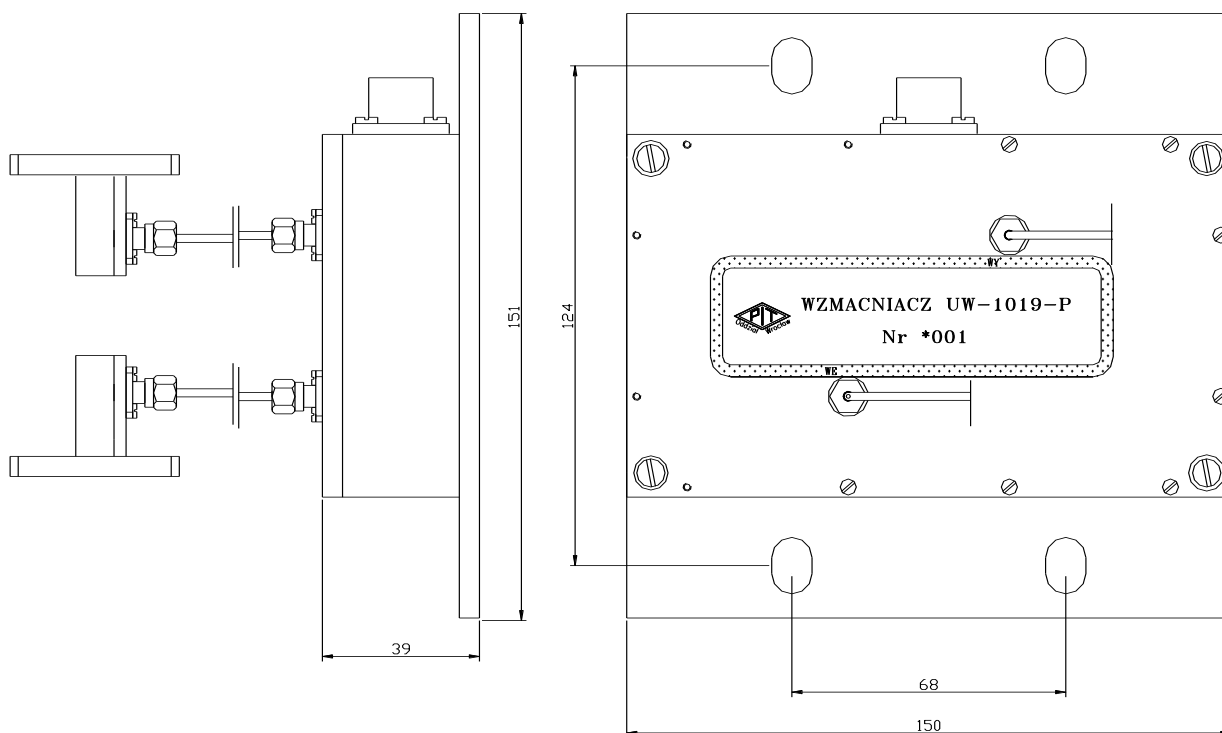
Operational temperature:	-40 \downarrow \uparrow +60 \downarrow
Humidity	98%/+25 \downarrow
Vibration	20m/s ² /30 Hz
Shocks	100m/s ²

Basic electrical parameters:

Operational bandwidth:	8 \div 10 GHz
Gain:	G=10 \div 30 dB
Noise figure:	NF \leq 5 dB (max) NF \leq 3.5dB (typical)
VSWR:	\leq 2.5
Power supply:	+27 V

Additional information:

The amplifier UW-1019-P has waveguide input and output which allows direct replacing of tube amplifiers. There is also an option available with coaxial connectors of SMA type.



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