



26–40 GHz low noise amplifier



FEATURES

- *Wide frequency range*
- *Waveguide input/output*
- *Low noise factor*
- *Light weight and small dimensions*

APPLICATION

Low noise amplifying module **M321010** is designed for use as a part of 8-mm receiving devices for different application

DESCRIPTION

Module **M321010** is made in hybrid-integrated-circuit form on up-to-date element baseline. The amplifier involves amplifying integrated microcircuit, and broad-band waveguide-to-coaxial and coaxial-to-stripline transitions.

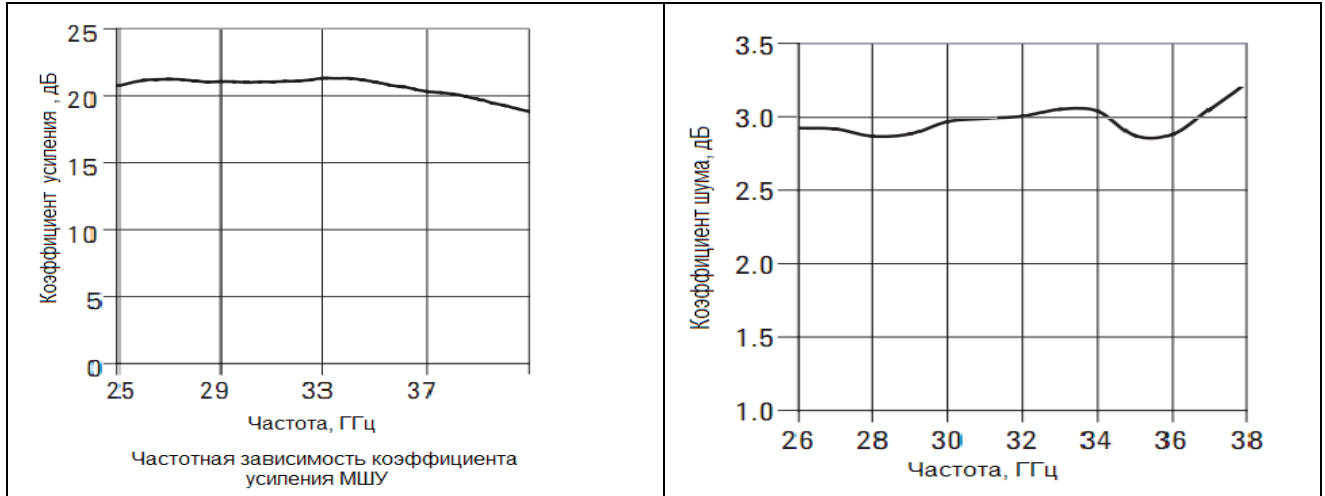
The amplifier has waveguide output of cross-section 7.2x3.4 mm type of attachment waveguide flanges agrees GOST 13317-89 or UG-387/U.

SPECIFICATION

Operating frequency range, GHz	26.0–37.5
Gain, dB, not less	20
Noise factor, dB, no more	3.5
Output power at 1 dB compressions, dBm, not less	10
VSWR of input/output, no more	2
Cross section of waveguide input/output, mm	7.2x3.4
Operating temperature range, °C	-40...85
Current consumption on chain 6 V, mA	60
Overall dimensions, mm	33x25x24



CHARACTERISTICS



Gain vs frequency (left) and noise factor vs frequency (right)

LAYOUT DRAWING

