
ZHL-2729/05
SPECIAL MICROWAVE AMPLIFIER
28 GHz , 0.5W

This power amplifier for 28 GHz is based on a 0.15 μ m pHEMT technology, which allows a very high output saturation power of 0.5W typically. All internal bias voltages are generated from a single 12 V supply voltage, which is used efficiently by means of a switching regulator. Also, there is an over temperature shutdown implemented.

Product Features:

- 0.5 W output power on 27.5-28.5 GHz - Milled aluminum case
- Small mechanical dimensions
- Over temperature shutdown
- Maximum input power -3dBm
- Output power (CW) min. 0.5 W (@ 30 mW Pin)
- Saturation power typ. 0.6 W
- Gain (small signal) min. 33 dB
- Supply voltage +10 ... 14 V DC
- Current consumption max. 1 A (@ 12 V DC)
- Operating case temp. range -20 ... +55 °C
- Input connector SMA
- Output connector SMA
- Case milled aluminium / brass
- Dimensions
- Weight 125 g (typ.)