

618PA2W
6 - 18GHz 2W BROADBAND POWER AMPLIFIER

The 618PA2W is a broadband power amplifier operating in the frequency range from 6 to 18GHz. This wideband power amplifier is using a pHEMT with output power of 2W and low input level at 0dBm. Maximum size of the unit (including connectors) is 100 x 60 x 25 mm.

FEATURES

- Wideband from 6 – 18 GHz
- SMA input and output
- Power out in excess of 2W
- Low input level @ 0 dBm
- Wide operational temperature range
- Excellent reverse isolation (output to input)

APPLICATION

- Point-to-Point Radios
- Point-to-Multi-Point Radios & VSAT
- LO Driver for wideband Mixers
- Military EW & ECM
- Satellite Communication
- Weather Radar
- Wideband transmitters/ Receivers
- Jamming technology

Electrical Specification:

Parameter	Specification	Units
Frequency range	6 - 18	GHz
Gain	>30	dB
Power output P1 dB	> +33	dBm
Gain flatness over frequency @ Rated power	< ±3	dB
VSWR input	2.5 : 1	—
VSWR output @ Rated power	2.5 : 1	—
Noise figure, typical	< 6	dB
Harmonics (at rated output)	< 6	dB
Spurious (at rated output)	< 40	dBc
Current	< 2.0	A
Connectors	SMA female	
Operating temperature range (typical)	-30 to +70	°C
Maximum size including connectors	100 x 60 x 25	mm
Mean Time Between Failure (MTBF)	50,000	hours



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