

High-Power CW Amplifier

MSC2931P3540



Specifications are subject to change without notice

Electrical Specifications (+25°C)

Parameter	Value
Frequency Range	9.5 to 31.0 GHz
Output Power P1dB	40 dBm min. at base plate temp. of 25 °C
Gain	35 dB minimum, 40 dB maximum
Gain Flatness	< 3.0 dB pk-pk maximum over entire operating band at fixed temp.
Gain Variation over Temperature	3.5 dB pk-pk maximum at fixed frequency
Input VSWR	1.5:1 maximum
Output VSWR	1.5:1 maximum
Spurious	< -70 dBm
Harmonics	< -20 dBc at P1dB
Operating Voltage	5V
Current Consumption	19 A maximum at any combination of drive level, temperature, and frequency.
Operating Temperature	-55 to +70 °C
Airborne Environmental Environment	RTCA DO-160E

Mechanical Specifications

Parameter	Value
RF Input Connector	2.92 mm female
RF Output Connector	WR-28 waveguide
Monitoring and Control Connector	13 pin Circular
Size	5.1" x 3.6" x 1.0"
Weight	20 ounces maximum

Need More Help? Need a Variant of This Product?

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