

Features: (typical values)

- Low Noise Figure 4.0 dB.
- P1dB 29 dBm.
- Gain 15 dB.
- No external components required

Maximum Ratings

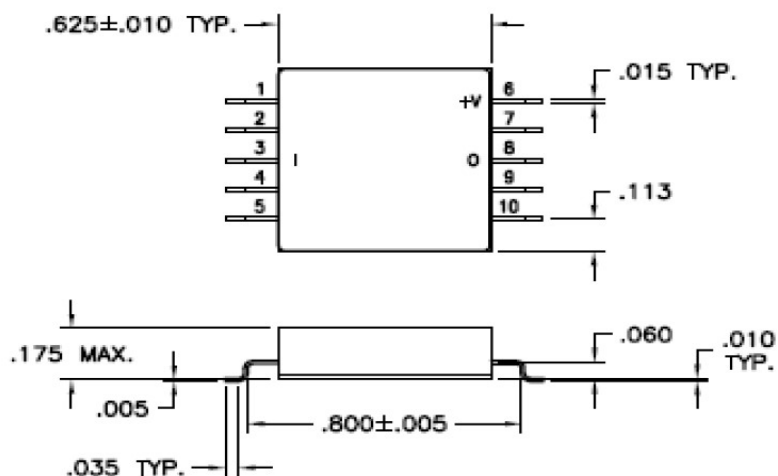
Operating Temperature -20°C to +85°C
 Storage Temperature -40°C to +125°C
 DC Voltage +12.0volts
 RF Input Power 29 dBm.
 Case Temperature +100°C



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1	30	MHz.
Gain	15	14		dB.
Gain Flatness p-p	0.3		0.5	dB.
Pout @ P1dB	+29			dBm.
Noise Figure	4.0		4.5	dB.
IP3 @ 15dbm per tone	42	40		dBm
IP2 @ 15dbm per tone	80	75		dBm
VSWR In/Out	1.3:1		1.5:1	Ratio
Impedance, Input/Output	50 Ohm			
Supply Required	+12/200		+12/250	v/mA.

OUTLINE



FUNCTIONAL BLOCK DIAGRAM

