

Features: (typical values)

- High Output Power +33.5 dBm.
- High IP3 +48.0 dBm.
- Low NF 3.2 dB.

1210-1310 MHz Ultra Linear Power Amplifier

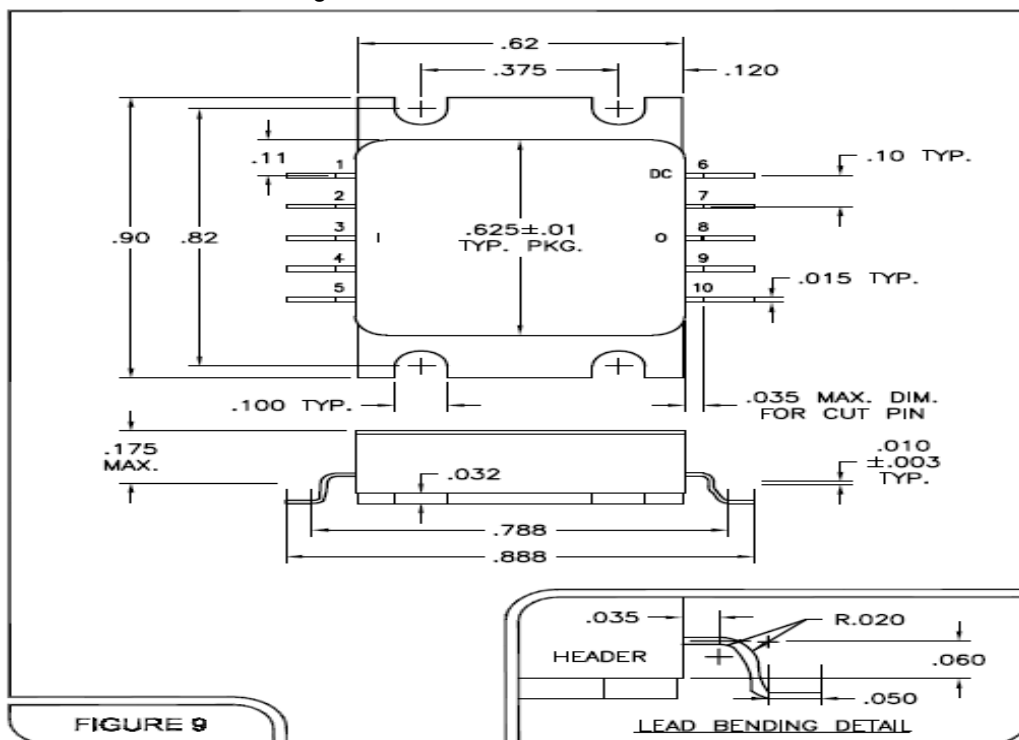
Maximum Ratings

Storage Temperature -40°C to +85°C
 DC Voltage +12 volts
 RF Input Power +27 dBm.
 Case Temperature +95°C

Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1210	1310	MHz.
Gain	12.0	9.0		dB.
Gain Flatness	±0.3			dB.
Reverse Isolation	15			dB.
Pout @ 1dB Comp	33.5	32.5		dBm.
Noise Figure	3.5		5.0	dB.
IP ₃ (two-tone)	+50.0	+45.0		dBm.
VSWR In/Out	1.7:1		2.2:1	
Supply Required	+10/910		+10/950	v/mA.

IP₃ measured with 2 tones @+20dBm. per tone
 Min and max values from 0 to 85 degrees C



PIN CONFIGURATION

PIN #	DESCRIPTION
1	GND
2	GND
3	RF IN
4	GND
5	GND
6	+VCC
7	GND
8	RF OUT
9	GND
10	GND