

## RF Amplifier

\* Operating Frequency : 400-3000 MHz

\* Gain : 22 dB

\* High IP3 36dBm

\* High IP2 47dBm

### ELECTRICAL SPECIFICATION @ VDD= +15 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	400		3000	MHz
Gain	G	20	22	24	dB
Gain Flatness	Δ G		±0.7	±1.0	dB
Noise Figure	N.F.		3	4	dB
Output Power	P 1dB	24	25		dBm
Two Tone Intercept @ 15dBm output per tone	IP3	34	36		dBm
Two Tone Intercept @ 15dBm output per tone	IP2	44	47		dBm
VSWR in/out	S11/S22		1.5:1	1.7:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		230	250	ma

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	Flatpack		
Cooling	None		
Monitor Connector	None		

### PROTECTION

	Max	
RF Input Power	30	dBm
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

### ENVIRONMENTAL CHARACTERISTICS

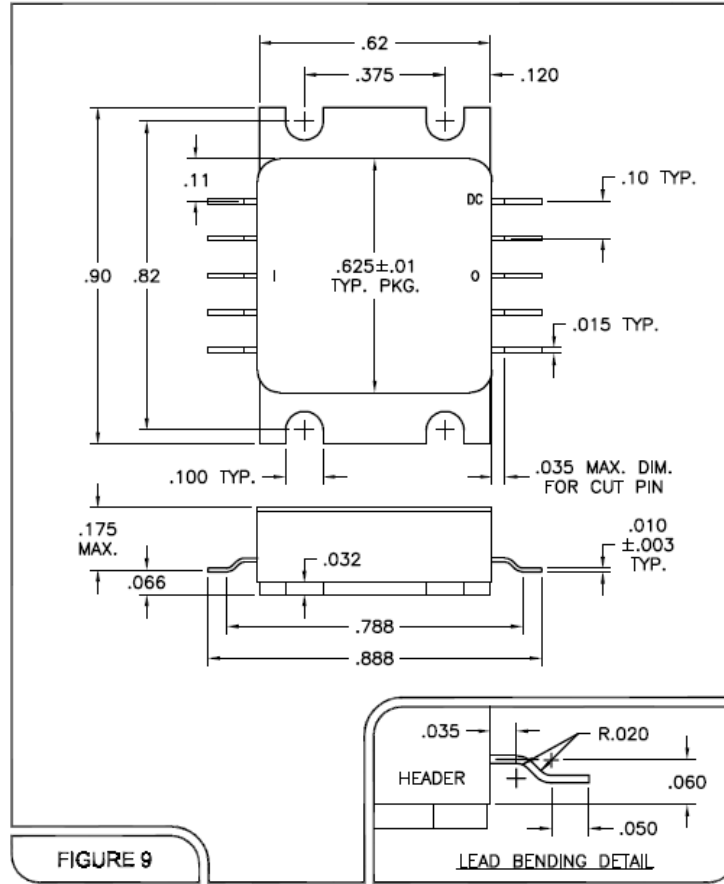
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	- 40		70	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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