

RF Amplifier

* Operating Frequency : 2-88 MHz

* Gain : 21 dB

* High IP3 44dBm

* High IP2 75dBm

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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2		88	MHz
Gain	G	20	21	22	dB
Gain Flatness	Δ G		±0.3	±0.5	dB
Noise Figure	N.F.		3.5	4.5	dB
Output Power	P 1dB	25	27		dBm
Two Tone Intercept @ 15dBm output per tone	IP3	40	43		dBm
Two Tone Intercept @ 15dBm output per tone	IP2	60	75		dBm
VSWR in/out	S11/S22		1.4:1	1.6:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		200	220	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

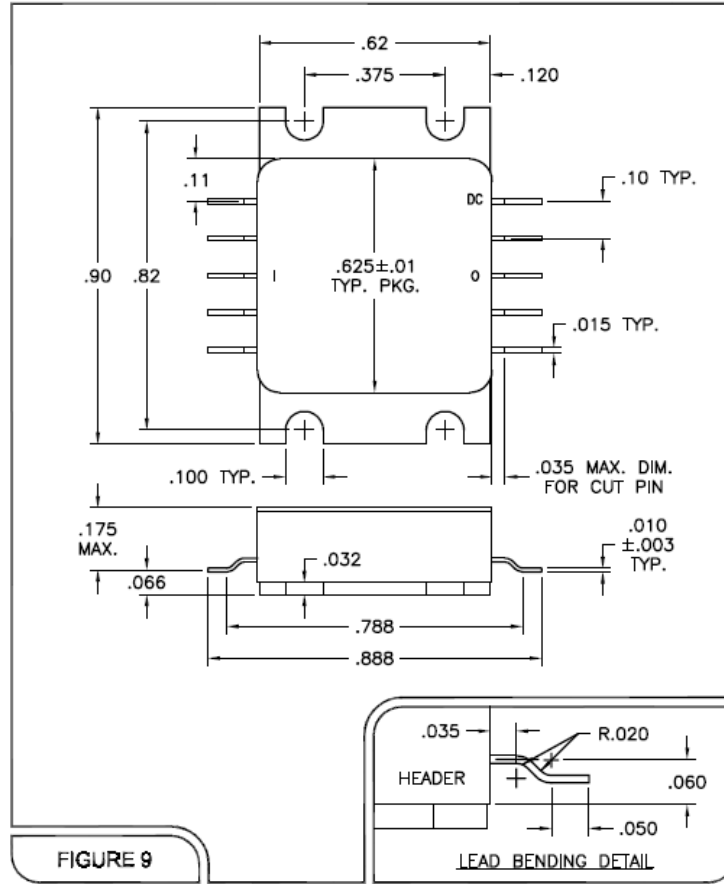
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	- 40		70	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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Outline Drawing



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