

Wide Band RF Amplifier

- * Operating Frequency : 1- 3 GHz
- * Saturated Power : 5W Psat Typical
- * Gain : 11 dB
- * Operation Up to 28 Volts
- * Single Supply Voltage

Description: Ultra Wideband Operation, WiMax, Test Instrumentation, All Purpose Power Amp

ELECTRICAL SPECIFICATION @ VDD= +28 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	1		3	GHz
Gain	G	9	11		dB
Gain Flatness	Δ G		±1.0	±1.5	dB
Power Added Efficiency	PAE		30		%
Power Output	Psat	35	37		dBm
Output 3rd Order Intercept Point * Linear region	OIP3	40	45		dBm
Return Loss in/out	S11/S22	2.2:1	2.0:1		Ratio
Operating Voltage	Vdc		28		Volts
Operating Current	Id		500	700	mA

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	.625 sq		inches

PROTECTION

	Max	
RF Input Power	30	dBm
Reverse Polarity Protection		
Load VSWR	5:01	RATIO
Stability	Unconditional	

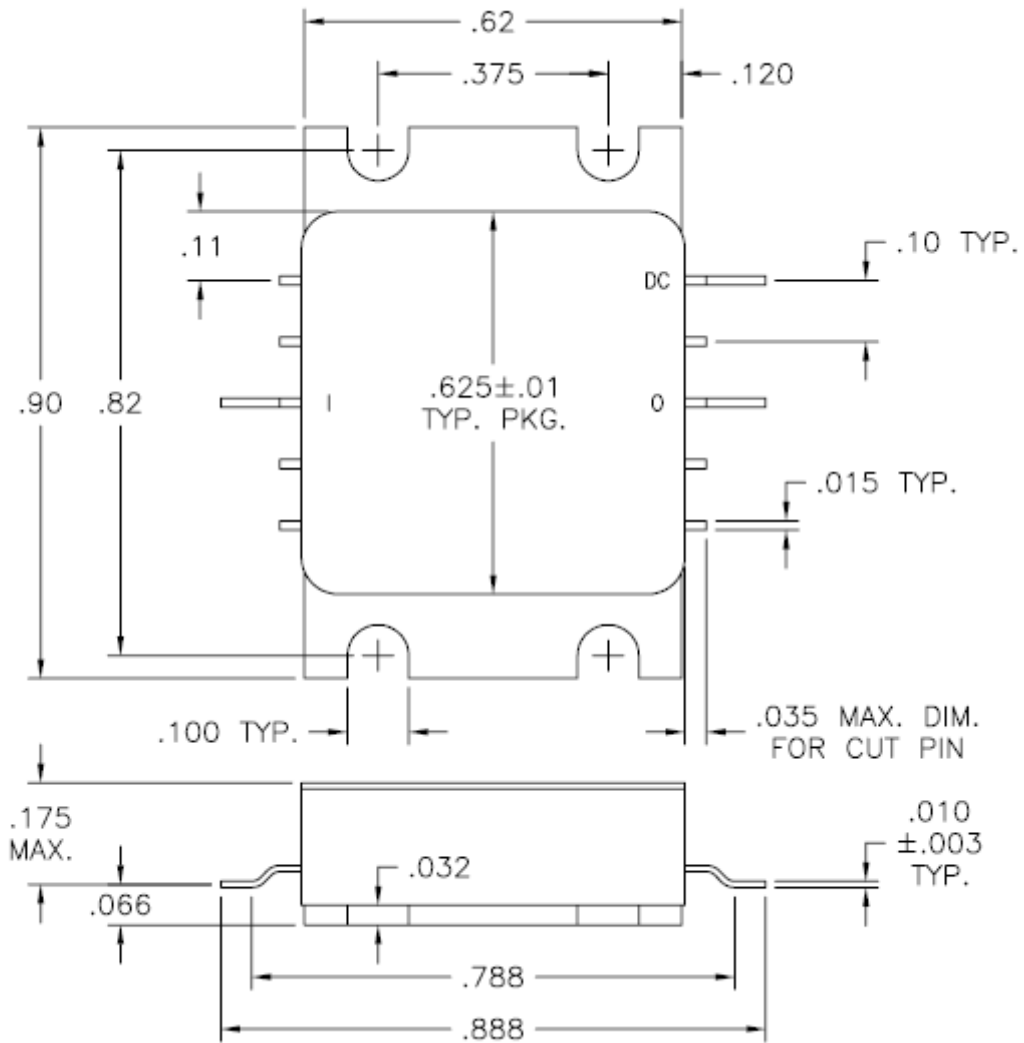
ENVIROMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		75	°C
Storage Temperature	Tstg	-55		125°C	°C

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