

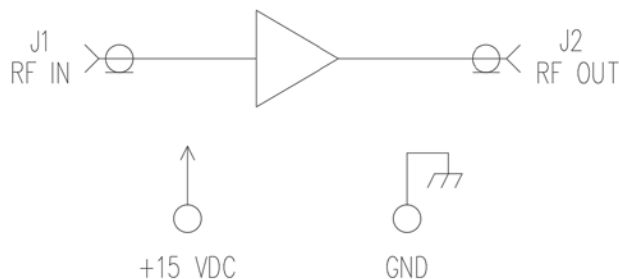
FEATURES

- Technology: GaAs FET
- Frequency Range: 0.02-3.0 GHz
- Output P_{1dB} Power: 1.0W Min
- Output P_{SAT} Power: 1.5W Min
- High IP₂: 52 dBm
- High IP₃: 42dBm
- Small Signal Gain: 48 dB Typical
- S.S. Gain Flatness: ±1.5dB
- PAE: 25% Typical
- DC Input: +15VDC Typ.
- Interface: SMA/Fed Thru
- Input Survivability: +30dBm Max

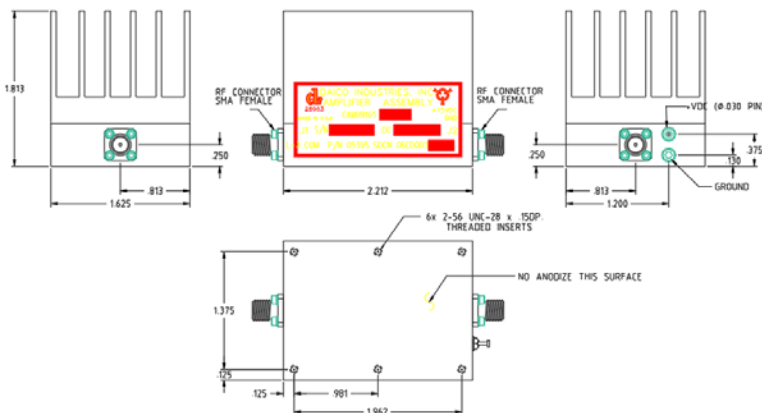


APPLICATIONS: Broadband Linear Amplifier

FUNCTIONAL BLOCK DIAGRAM



OUTLINE DRAWING



PRODUCT SPECIFICATION

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency	0.02		3.0	GHz	
Output P _{1dB} Power	28.5	30.5		dBm	
Output P _{SAT} Power	30	32			
Output IP ₂	40	42		dBm	
Output IP ₃	50	52			
Small Signal Gain	45	48	51	dB	
S.S. Gain Flatness		±1.0	±1.5	dB	
PAE	20	25		%	@ P _{1dB}
VSWR (Input)		1.3:1	1.5:1		
VSWR (Output)		1.5:1	2:1		
Harmonic (2 nd)		-20	-25	dBc	
Impedance		50		Ω	
Input Power			+30.0	dBm	
DC Voltage		+15	+20	V	
DC Current (+15V)		725	800	mA	CW
Dimensions	2.212"x1.625"x1.812"			Inch	
Operating Temp	0	+25	+85	°C	Base

TYPICAL PERFORMANCE

