

ASC659C

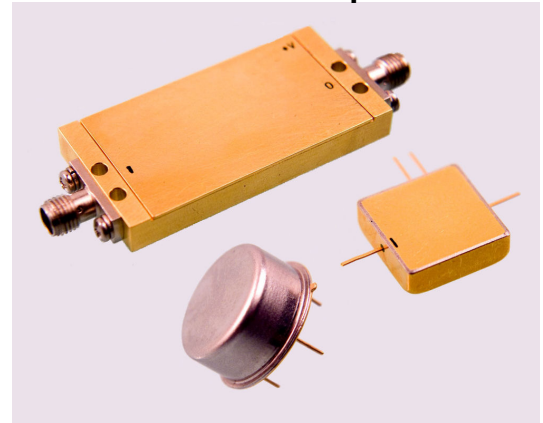
Features: (typical values)

- Wide Band50-2500 MHz.
- Noise Figure 3.0dB.
- Med Gain 17 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +7.0 dBm.
 Case Temperature +100°C

50-2500 MHz Cascadable Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		50	2500	MHz.
Gain	17	15		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+24	+22		dBm.
Noise Figure(100-2500 MHz)	3.0		4.0	dB.
Reverse Isolation	27			dB.
IP ₃ /IP ₂ (two-tone)*	34/43			dBm.
HIP2 (2 nd harm.)	45			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/180		+15/195	v/mA.

Min. and max. values are from -55°C to +85°C
 *IP3 and IP2 are in band output intercept points

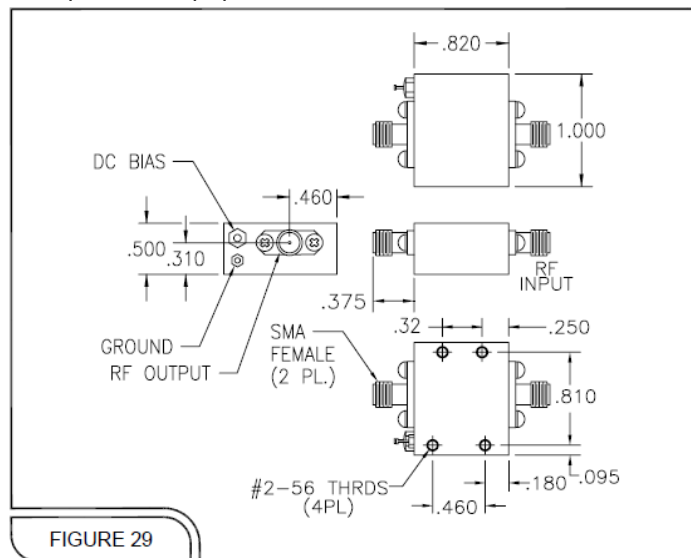


FIGURE 29