



AMPLIFIER SOLUTIONS CORPORATION

ASC203C

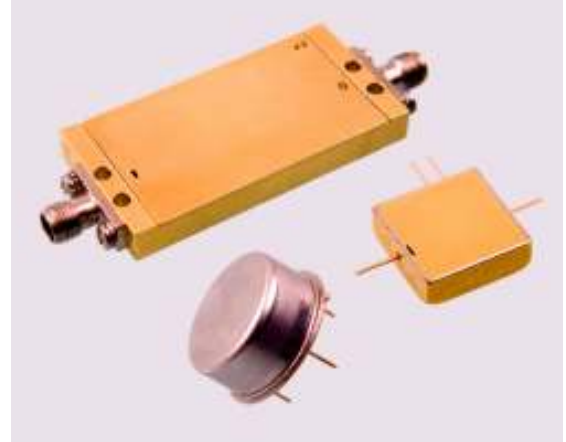
Features: (typical values)

- Medium IP3 +30 dBm.
- Medium P1dB +18 dBm..
- Medium Gain +20.0 dB.
- Super low cost

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +13.0 dBm.
 Case Temperature +95°C

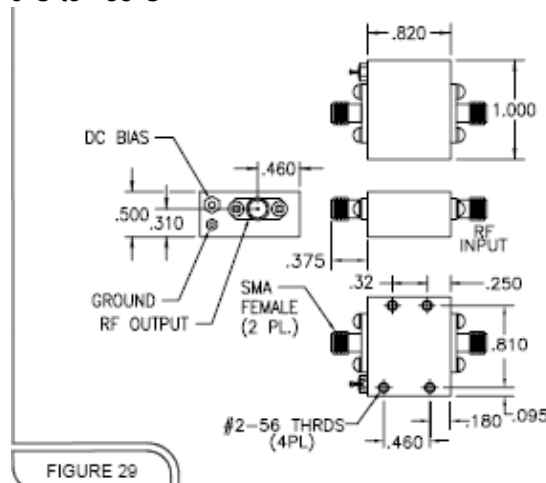
10-2000 MHz Wideband Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	2000	MHz.
Gain	20.0	18.0		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+18.0	+16.0		dBm.
NF @ 10MHz	7.0		8.0	dB.
NF 100MHz – 2000MHz	4.0		6.0	dB
Reverse Isolation	19.0			dB.
IP ₃ /IP ₂ (two-tone)	30/45	27/43		dBm.
HIP2 (2 nd harm.)	50.0			dBm.
VSWR In/Out	1.7:1		2.0:1	ratio
Supply Required	+15/90		+15/105	v/mA.

Min. and max. values are from 0°C to +85°C



Typical Performance Curves

-■- 0°C - ◆- +25°C - ▲- +85°C

