



AMPLIFIER SOLUTIONS CORPORATION

ASC211C

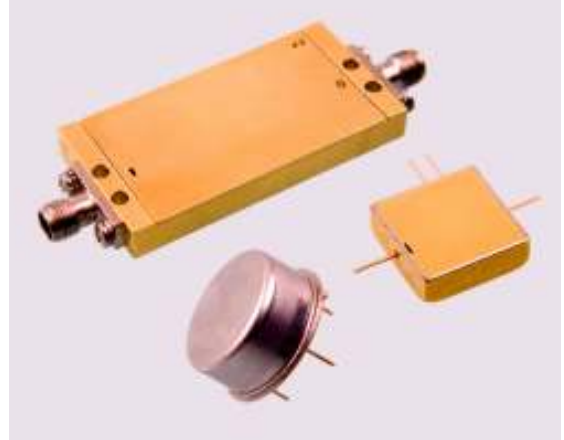
Features: (typical values)

- Very high IP3 +37 dBm.
- High P1dB 24.0 dBm.
- Low NF @ 100-2000mhz 3.0 dB.
- Super low cost

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +20.0 dBm.
 Case Temperature +95°C

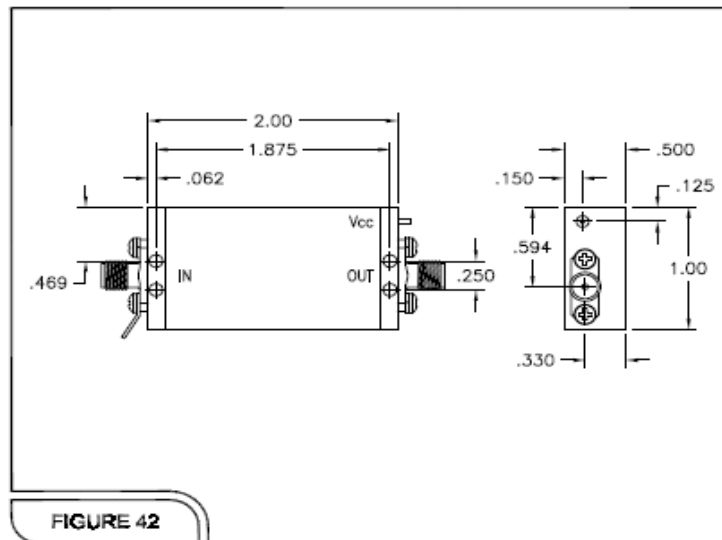
10-2000 MHz Wideband Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	2000	MHz.
Gain	12.0	11.0		dB.
Gain Flatness	±0.5		±0.8	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+24.5	+22.0		dBm.
NF 100-2000mhz	3.0		5.5	dB.
Reverse Isolation	16.0			dB.
IP ₃ /IP ₂ (two-tone)	37/46	33/40		dBm.
HIP2 (2 nd harm.)	52.0			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/120		+15/140	v/mA.

Min. and max. values are from -40°C to +85°C



Typical Performance Curves

-■ - -55°C ◆ - +25°C ▲ - +85°C

