



AMPLIFIER SOLUTIONS CORPORATION

ASC226C

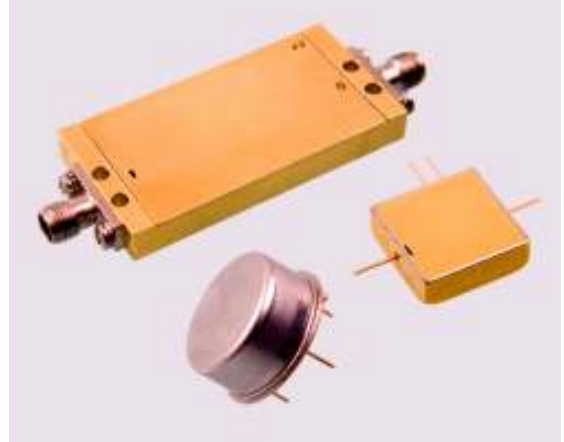
Features: (typical values)

- Very high IP3 +40 dBm.
- High P1dB 26.0 dBm.
- Low NF @ 100-2000mhz 4.0 dB.
- Super low cost

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +15 volts
 RF Input Power +20.0 dBm.
 Case Temperature +95°C

20-3000 MHz Wideband Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	3000	MHz.
Gain	11.0	10.0		dB.
Gain Flatness	±0.4		±1.0	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+26.0	+25.0		dBm.
NF	20-100mhz	9.0	10	dB.
	100-2000mhz	6.0	7.0	
Reverse Isolation	16.0			dB.
IP ₃ /IP ₂ (two-tone)	38/50	35/40		dBm.
HIP2 (2 nd harm.)	55.0			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+12/190		+12/220	v/mA.

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

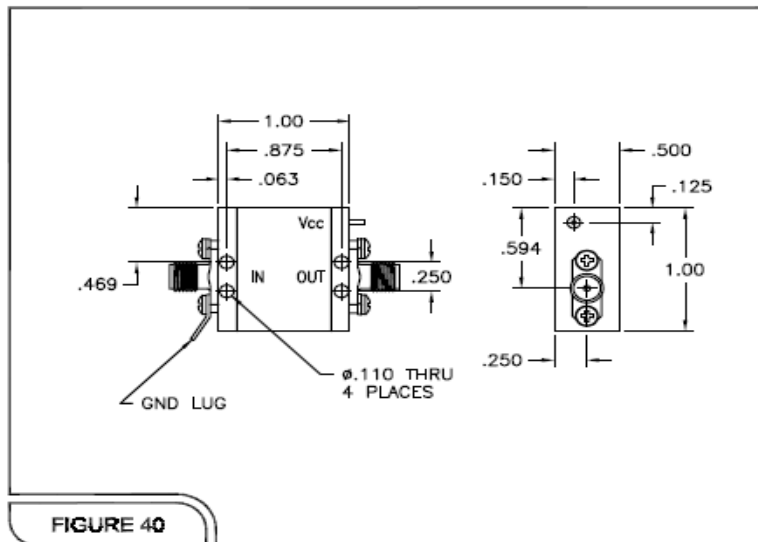


FIGURE 40

Typical Performance Curves

■ -55°C ◆ -25°C ▲ +85°C

