

ASC2605C

10-500 MHz Amplifier



Features: (typical values)

- Bandwidth 10-500 MHz.
- Power Out 26 dBm.
- Medium Gain 23 dB.
- Reverse Polarity Protection Optional
- No external components required

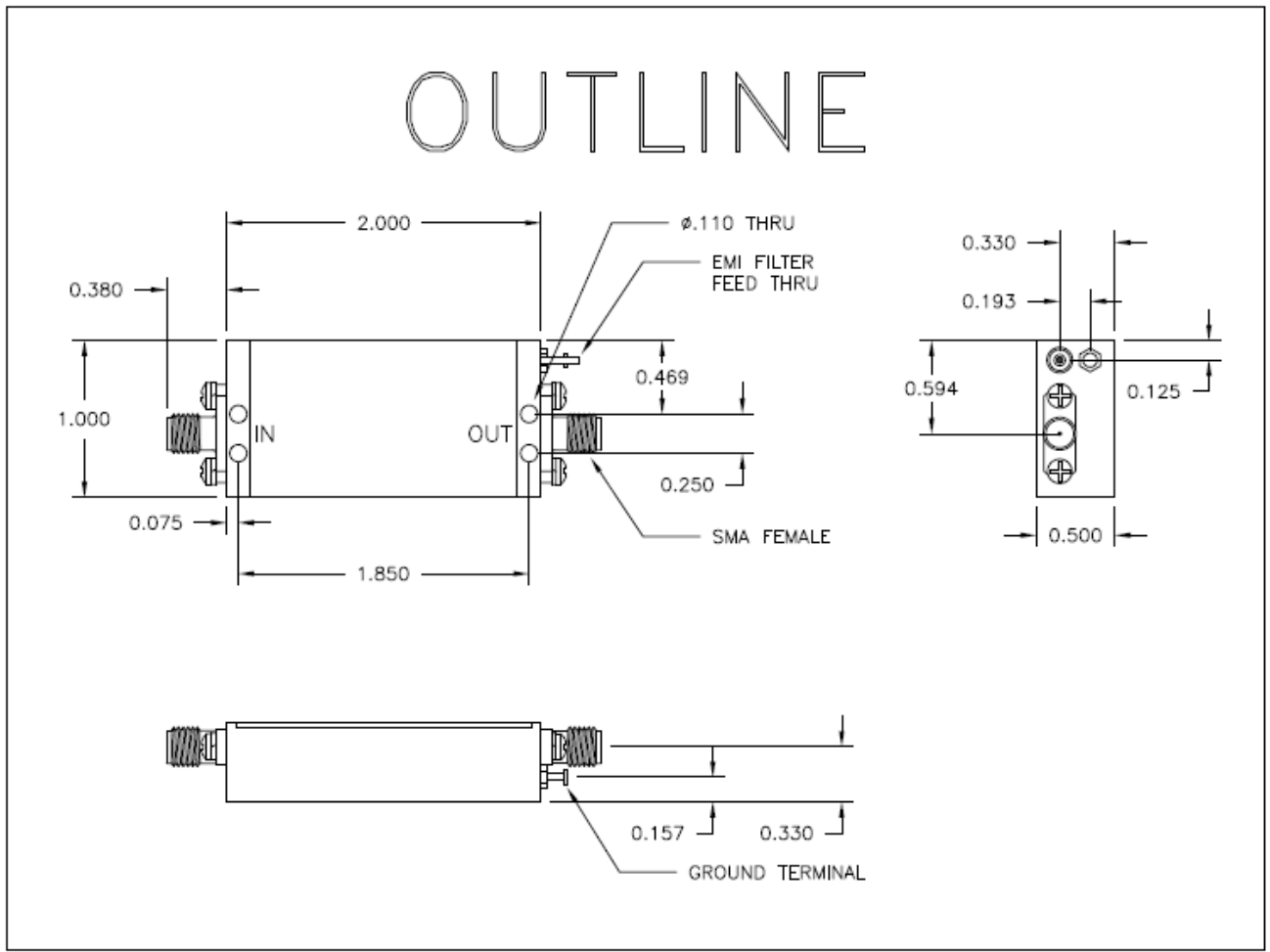
Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +15 volts
 RF Input Power +15 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	500	MHz.
Gain	23	20		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+26	+25		dBm.
Noise Figure	5.0		6.0	dB.
IP ₃ @ two input tone of +5dBm	40	38		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/300		+15/350	v/mA.

Min. and max. Values are from -20°C to +70°C



FUNCTIONAL BLOCK DIAGRAM

