

ASC3116C

Features: (typical values)

- High P1dB..... +40.5 dBm
- Noise Figure 2.0 dB.
- High IP3 +53 dBm
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +13 volts
 RF Input Power +15 dBm.
 Case Temperature +100°C

400-480 MHz High Power Amplifier

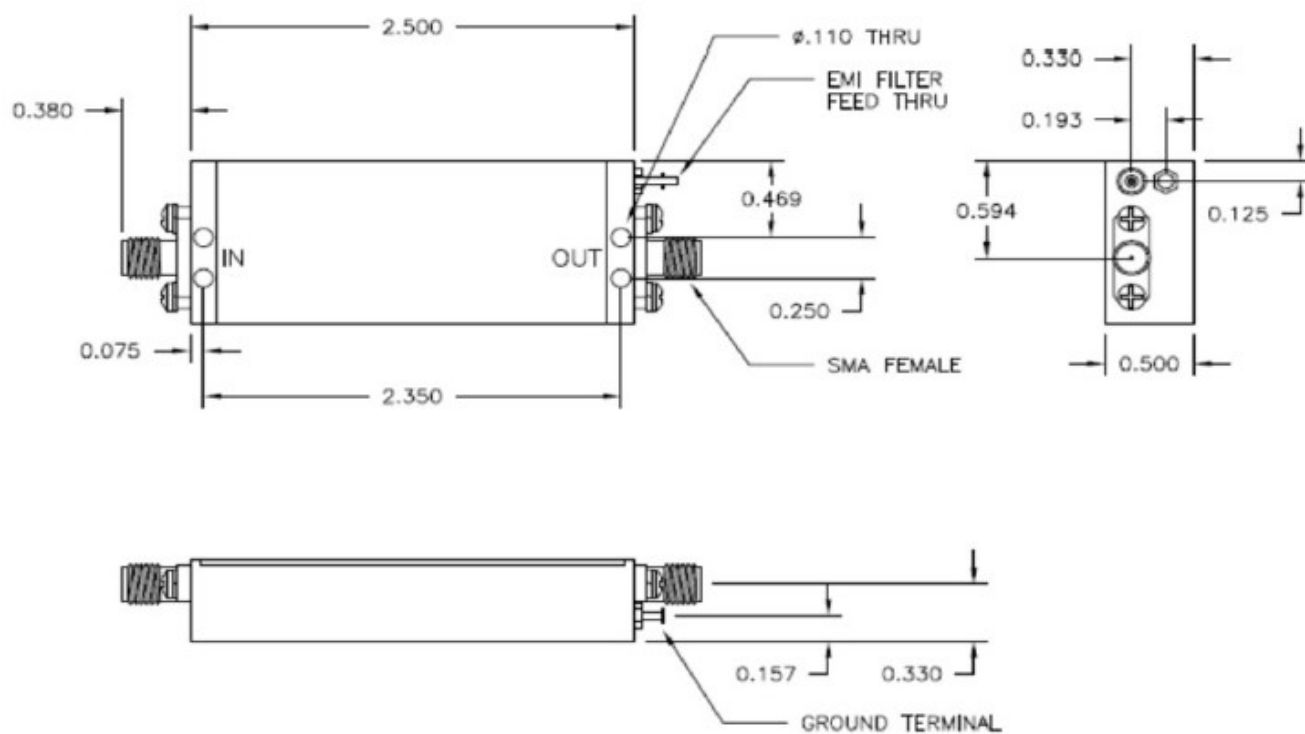


Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		400	480	MHz.
Gain	30	28		dB.
Gain Flatness	±0.3		±1.0	dB.
Pout @ 1dB Comp	+40.5	+39		dBm.
Noise Figure	2.0		3.5	dB.
Reverse Isolation	45			dB.
IP ₃ (two-tone)* @+27dbm per tone	+53	+50		dBm.
VSWR In/Out	1.6/1.9:1		2.1/2.5:1	
Supply Required	+12/2000		+12/2200	v/mA.

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

OUTLINE



FUNCTIONAL BLOCK DIAGRAM

