

ASC2693C-VR

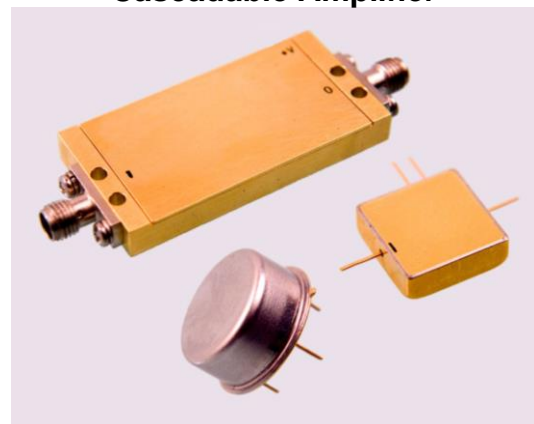
Features: (typical values)

- Wide Band 5-500 MHz.
- Noise Figure 3.0 dB.
- High Gain 52 dB.
- **Unit to have internal 15V Voltage Regulator**
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power -20 dBm.
 Case Temperature +100°C

5-500 MHz Cascadable Amplifier



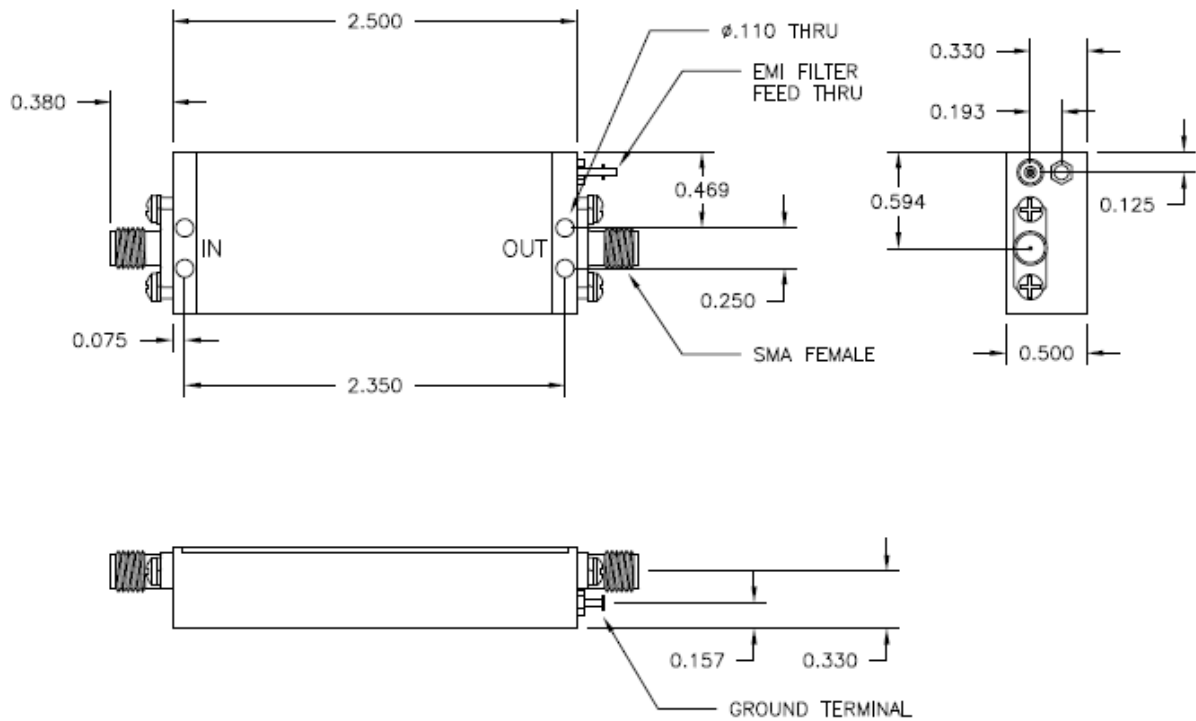
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		5	500	MHz.
Gain	52	50		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+25	+24		dBm.
Noise Figure	2.0		3.0	dB.
Reverse Isolation	60			dB.
IP ₃ /IP ₂ (two-tone)*	44/70	42/60		dBm.
HIP2 (2 nd harm.)	75			dBm.
VSWR In/Out	1.3:1		1.6:1	
Supply Required	+15/550		+15/700	v/mA.

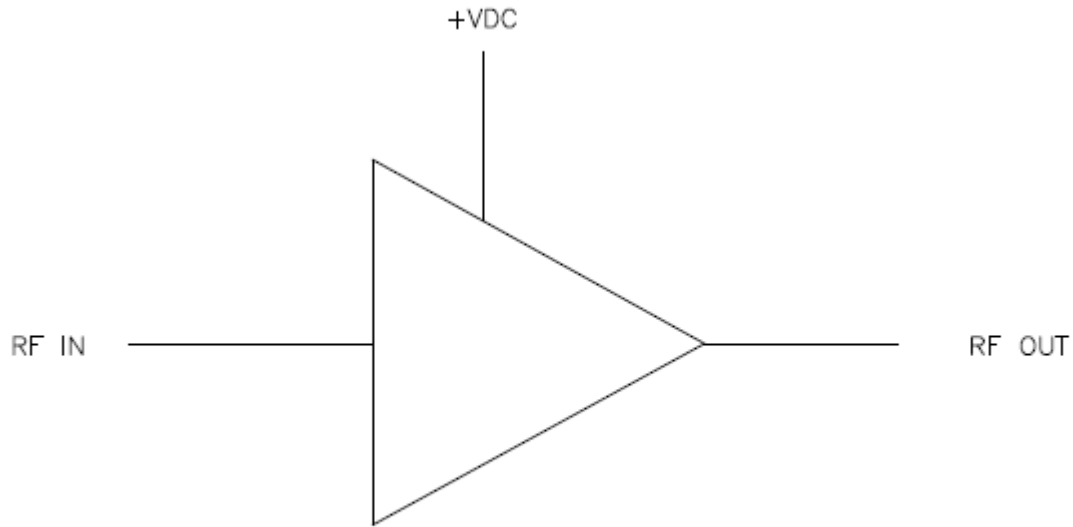
Min. and max. values are from -40°C to +80°C

*IP₃ and IP₂ are in band output intercept points

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED