

ASC2765C

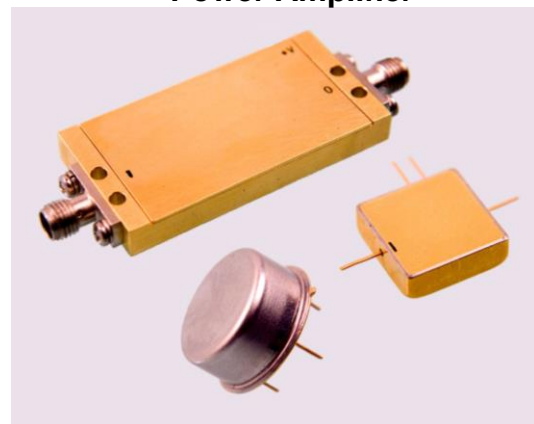
300-1000 MHz Power Amplifier

Features: (typical values)

- Output Power +30 dBm.
- Low Noise 0.8 dB.
- High Gain +28 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +15volts
 RF Input Power +10 dBm.
 Case Temperature +95°C

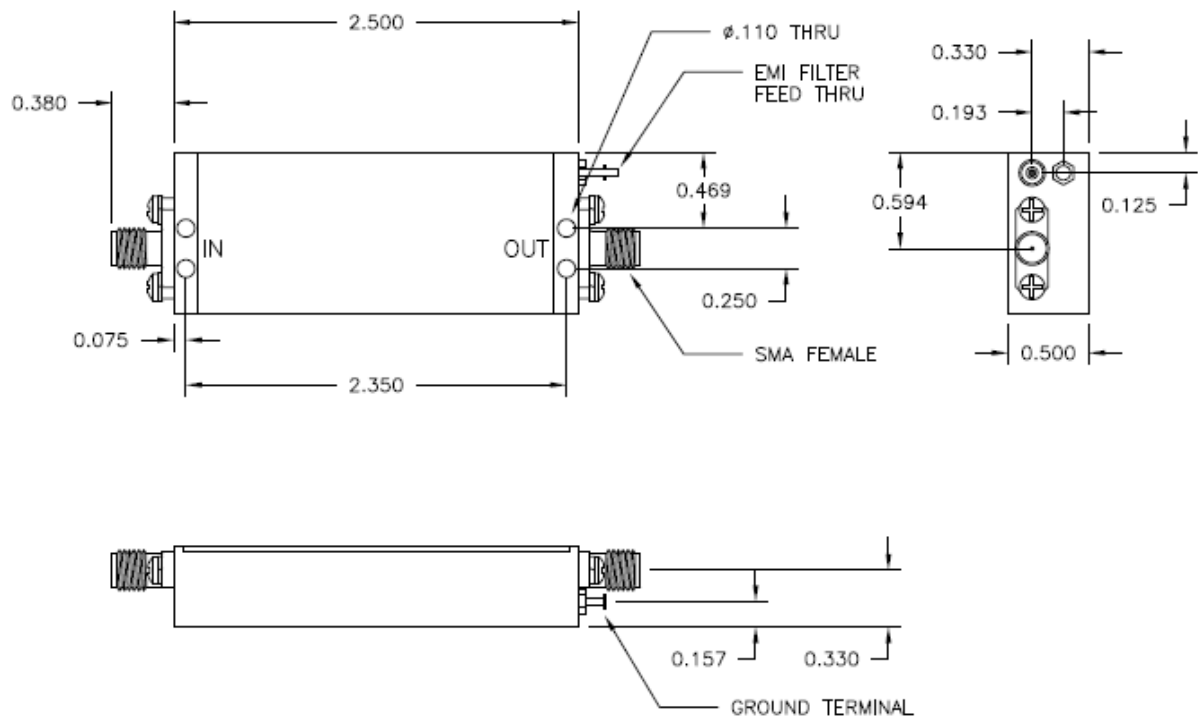


Specifications (Referenced to 50 ohms Impedance)

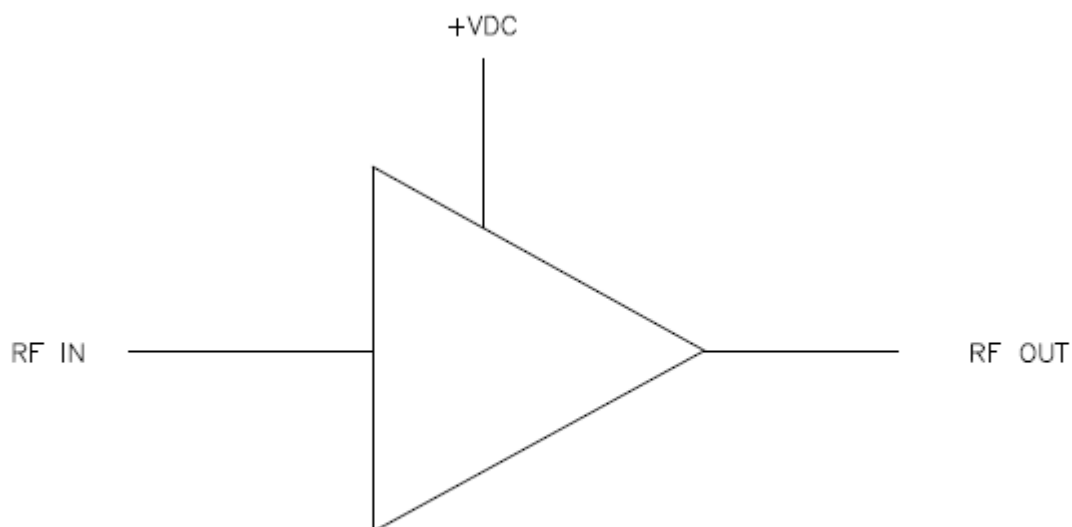
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		300	1000	MHz.
Gain	28	26		dB.
Gain Flatness	±0.5		±1.0	dB.
Pout @ 1dB Comp	+30.0	+29.0		dBm.
NF	0.8		1.0	dB.
OIP ₃ (two-tone)	43	40.0		dBm.
VSWR	1.5:1		1.6:1	dB
Supply Required	+15/400		+15/500	v/mA.

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

OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED