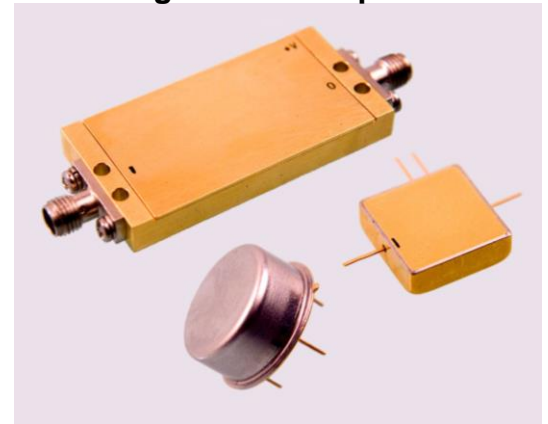


# ASC2712C

## 0.5-60 MHz High Power Amplifier



### Features: (typical values)

- Output Power ..... +28 dBm.
- Low Noise ..... 3.0 dB.
- High IP3 ..... +45 dBm.
- Low VSWR ..... 1.8:1.
- No external components required

### Maximum Ratings

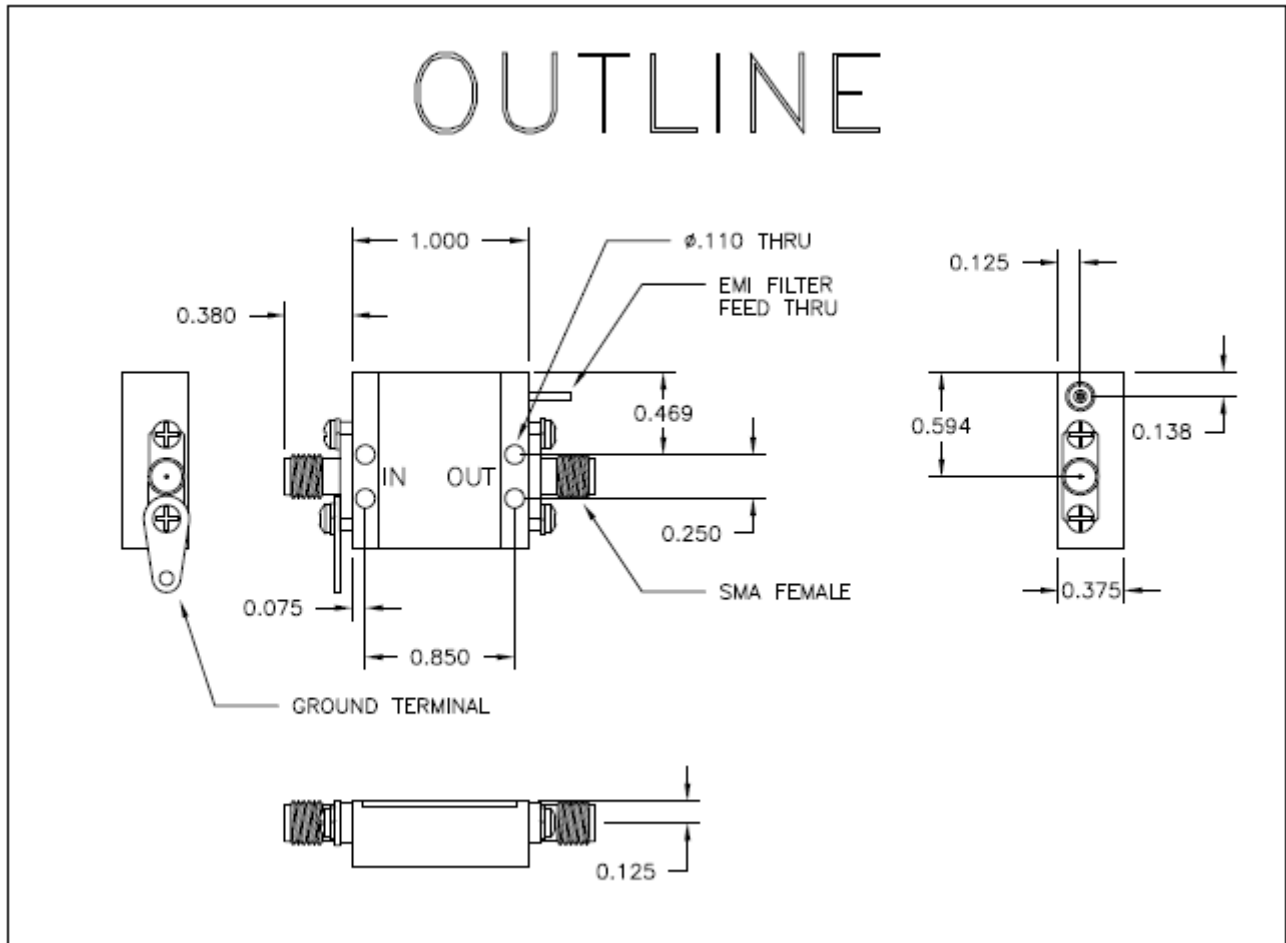
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +12 volts  
 RF Input Power ..... +20 dBm.  
 Case Temperature ..... +95°C

Specifications (Referenced to 50 ohms)

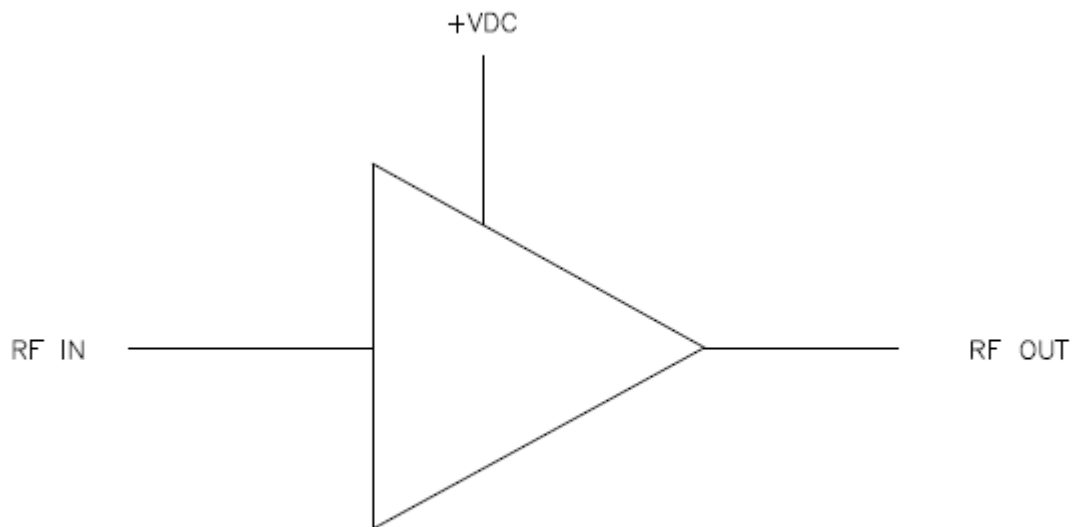
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		0.5	60	MHz.
Gain	17	15		dB.
Gain Flatness	±0.3		±0.5	dB.
Pout @ 1dB Comp	+29.0	+28.0		dBm.
NF	3.0		3.5	dB.
Reverse Isolation	25.0			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)	45/60			dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/200		+12/250	v/mA.

Min. and max. values are from -54°C to +85°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED