

# ASC2705C

**3300-3800 MHz  
Low Noise Amplifier**



**Features: (typical values)**

- Bandwidth ..... 3300-3800 MHz.
- Power Out ..... 16 dBm.
- High Gain ..... 45 dB.
- NF ..... 1.5 dB.
- No external components required

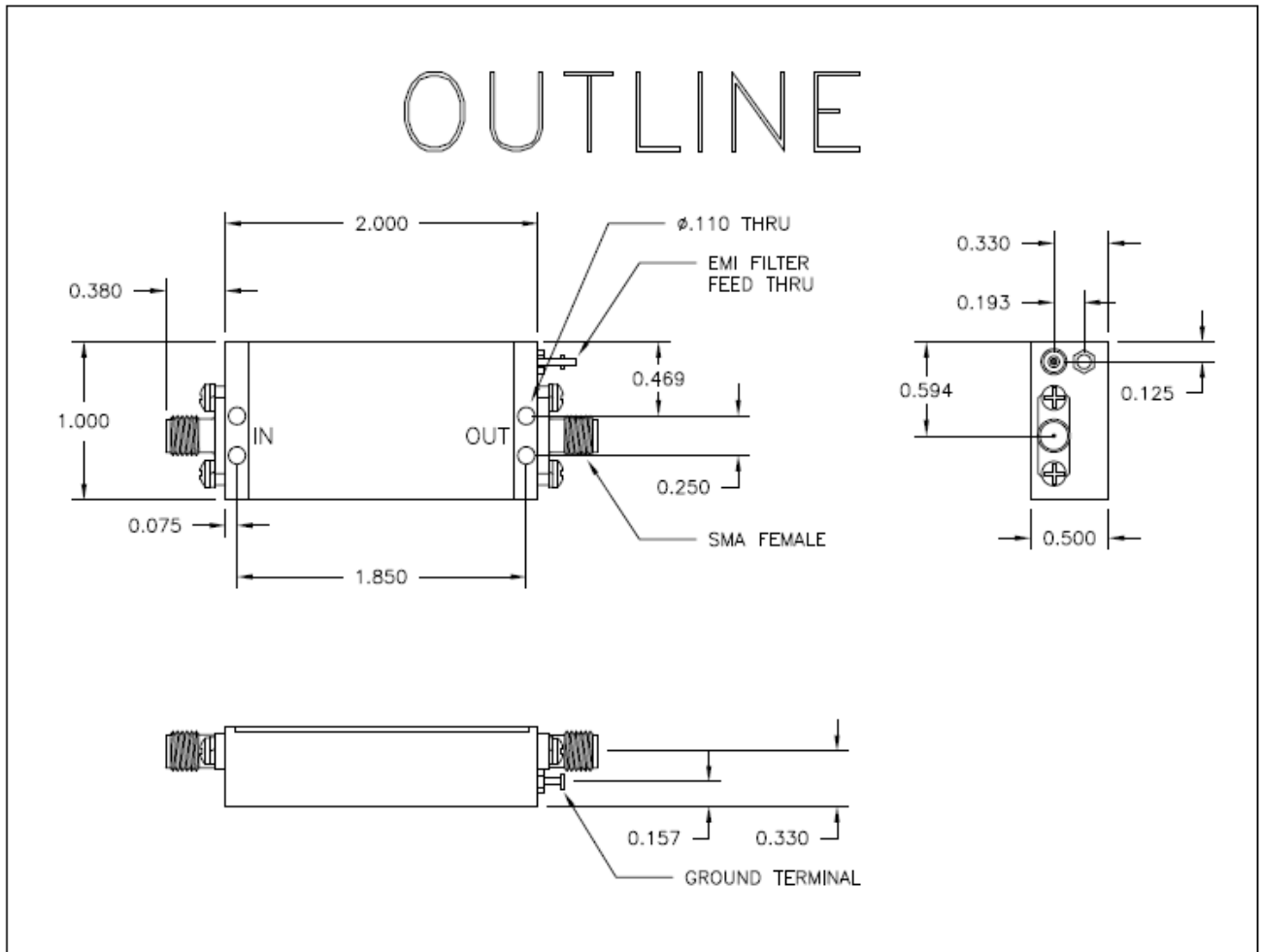
**Maximum Ratings**

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... - 25 dBm.  
 Case Temperature ..... +100°C

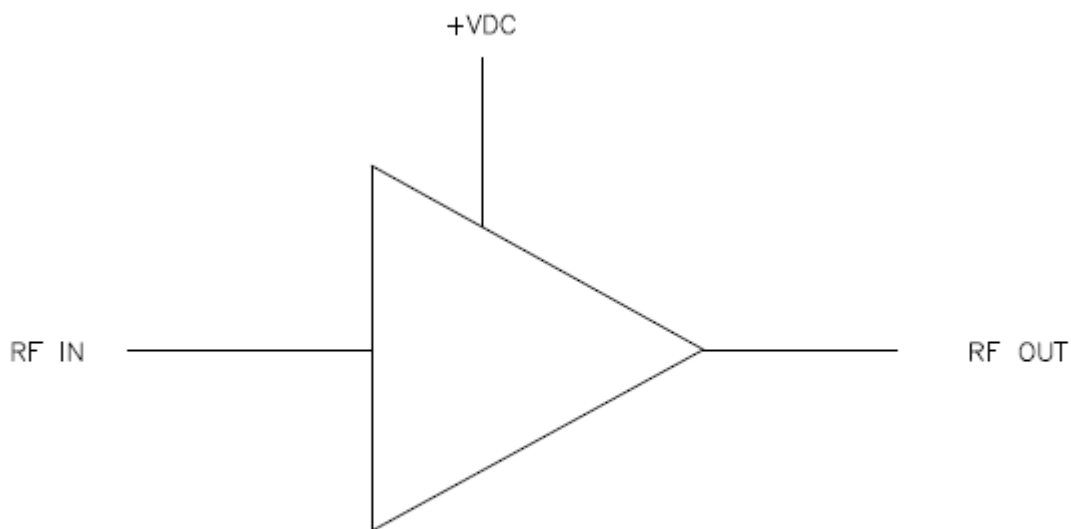
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency	3550	3300	3800	MHz.
Gain	45	43		dB.
Gain Flatness	±0.7		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+16	+14		dBm.
Noise Figure	1.5		2.0	dB.
IP <sub>3</sub> @ two input tone of +5dBm	30	25		dBm.
VSWR In/Out	1.6:1		2.0:1	
Supply Required	+15/300		+15/350	v/mA.

Min. and max. Values are from -40°C to +85°C



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED