

# ASC2704C

**2400-2500 MHz  
Low Noise Amplifier**



**Features: (typical values)**

- Bandwidth ..... 2400-2500 MHz.
- Power Out ..... 16 dBm
- High Gain ..... 45 dB.
- NF ..... 1.5

**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	2450	2400	2500	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	+15/250		+15/300	v/mA.

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

