

ASC2802C

Features: (typical values)

- High IP3 +49.0 dBm.
- High Gain + 42 dB
- High Output Power +40.0 dBm.

**1626-1675 MHz
Ultra Linear 10 Watts Amplifier**



Maximum Ratings

- Storage Temperature -40°C to +125°C
 DC Voltage +14 volts
 RF Input Power +5 dBm.
 Case Temperature +95°C

Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1626	1675	MHz.
Gain	42.0	40.0		dB.
Gain Flatness	±0.4		±1.0	dB.
Reverse Isolation	45			dB.
Pout @ 1dB Comp	40.0	39.0		dBm.
Noise Figure	3.0		5.0	dB.
VSWR (Input/Output)	2.0		2.5:1	dBm.
IP3 (two-tone)	+49.0	+47.0		
Supply Required	+12/1800		+12/2000	v/mA.

IP3 measured with 2 tones @+24dBm. per tone
 Min and max values from 0 to 70 degrees C

