

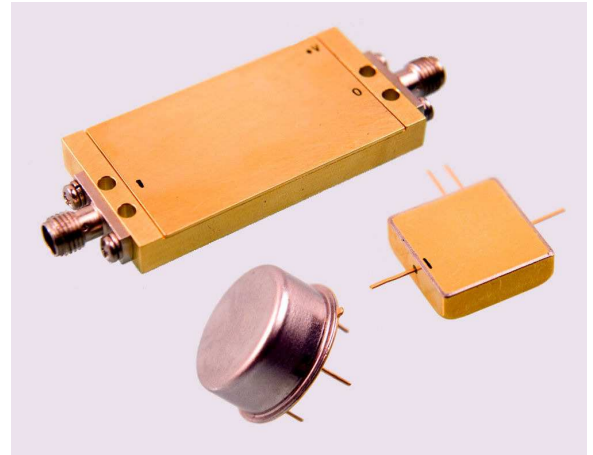
**ASC206C**

**Features: (typical values)**

- Wideband Frequency .....800-4200 MHz.
- Medium Power Out ..... +20.0 dBm.
- Moderate Gain.....+10 dB
- Moderate Noise .....+ 4.0 dB

**Maximum Ratings**

Storage Temperature ..... -55°C to +125°C  
 DC Voltage ..... +14 volts  
 RF Input Power ..... +10.0 dBm.  
 Case Temperature ..... +95°C



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		800	4200	MHz.
Gain	10	8		dB.
Gain Flatness	±0.8		±1.5	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+20	+18		dBm.
Noise Figure	4.0		5.0	dB.
Reverse Isolation	18			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two tone)*	30/35			dBm.
VSWR In/Out	1.5:1		2.0:1	Ratio
Supply Required	+12/80		+12V/100	v/mA

Min. and max. values are from 0°C to +85°C

\*IP3 and IP2 are in band output intercept points

