

# ASC2861

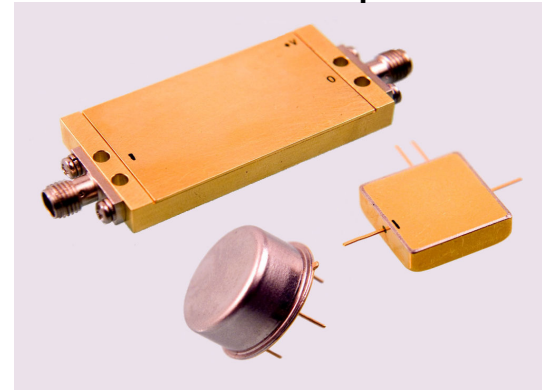
**Features: (typical values)**

- Output Power .....10.0 dBm
- Noise Figure ..... 2.5 dB.
- High Gain ..... 28.0 dB.

**Maximum Ratings**

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +10 volts  
 RF Input Power ..... +6 dBm.  
 Case Temperature ..... +125°C

**10-200 MHz  
Cascadable Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	200	MHz.
Gain	28	26		dB.
Gain Flatness	±0.6		±1.0	dB. p-p
Gain Var. over temp	0.6			dB.
Pout @ 1dB Comp	+10.0	+7.0		dBm.
Noise Figure	2.5		3.5	dB.
Reverse Isolation	-38.5		-37	dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)*	20/28			dBm.
VSWR In/Out	1.75:1		2.0:1	
Supply Required	+5/21		+5/24	v/mA.

Min. and max. values are from -55°C to +85°C  
 \*IP3 and IP2 are in band output intercept points

