

ASC425C

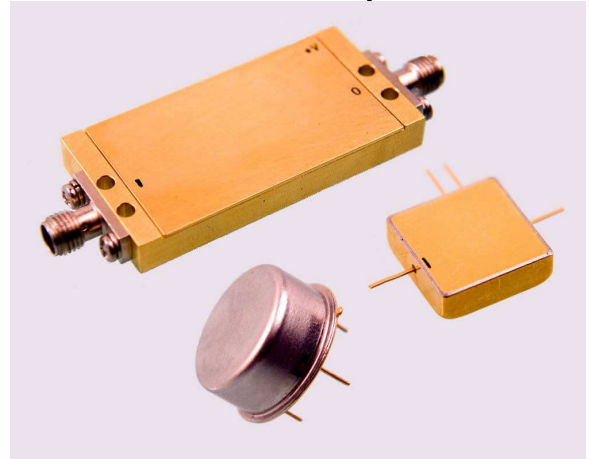
Features: (typical values)

- Low Distortion
- High Second Order IP2 +70.0 dBm.
- High Third Order IP3 +43.0 dBm.
- High Gain..... +26 dB
- Low Noise + 3.5 dB

Maximum Ratings

Storage Temperature -55°C to +125°C
 DC Voltage +17 volts
 RF Input Power +15.0 dBm.
 Case Temperature +95°C

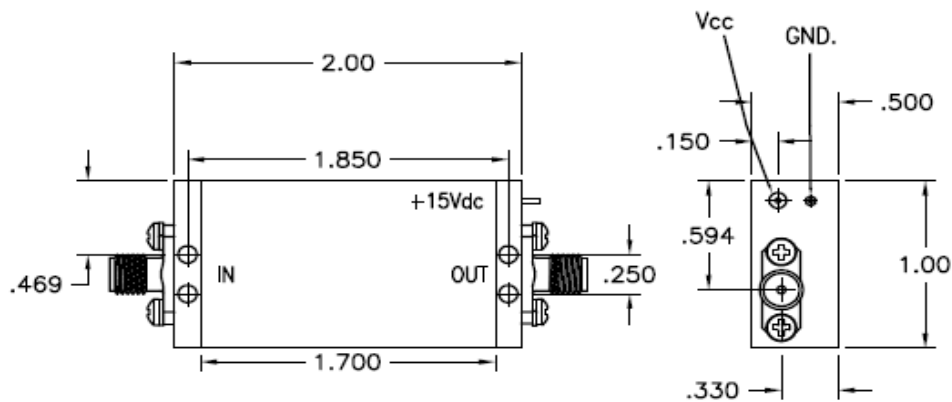
**20-1000 MHz
 Push-Pull Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency	20/1200	20	1000	MHz.
Gain	26	25	27	dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+28	+25		dBm.
Noise Figure	3.5		4.0	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two tone)*	43/70	40/60		dBm.
HIP2 (2 nd harm.)	75	65		dBm.
VSWR In/Out	1.4:1		1.5:1	Ratio
Supply Required	+15/300		+15V/330	v/mA

Min. and max. values are from 0°C to +85°C
 *IP3 and IP2 are in band output intercept points



Typical Performance Curves @ 25°C

■ -0°C ◆ -+25°C ▲ -+85°C

