

ASC2775C

**10 - 3000 MHz
Cascade Amplifier**



Features: (typical values)

- Bandwidth 10-3000 MHz
- Power Out 15 dBm.
- Gain 40 dB.
- Noise Figure 2.5 dB.
- IP₃ 30 dBm.

Maximum Ratings

- Storage Temperature -62°C to +125°C
- DC Voltage +17 volts
- RF Input Power -20 dBm.
- Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	3000	MHz.
Gain	40	38		dB.
Gain Flatness	±0.75		±1.5	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+15	+10		dBm.
Noise Figure	10-50MHz	4.0	4.5	dB.
	50-3000MHz	2.5	3.0	
IP3	30	25		dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/300		+15/350	v/mA.

Min. and max. Values are from -20°C to +75°C

