

ASC2770C

**20-550 MHz
Ultra Linear Amplifier**



Features: (typical values)

- High Power 31.5dBm
- Low Noise Figure 3.0 dB.
- Medium Gain 22 dB.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +26 volts
 RF Input Power +30.0 dBm.
 Case Temperature +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	550	MHz.
Gain	22	21	23	dB.
Gain Flatness	±0.3		±0.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+31.5	+31		dBm.
Noise Figure	3.0		4.0	dB.
Reverse Isolation	30			dB.
IP3 (two-tone) @ +15dbm per tone	50	48		dBm.
IP2 (two-tone) @ +15dbm per tone	80	75		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+24/400		+24/440	v/mA.

Min. and max. values are from -20°C to +70°C
 Limiter required

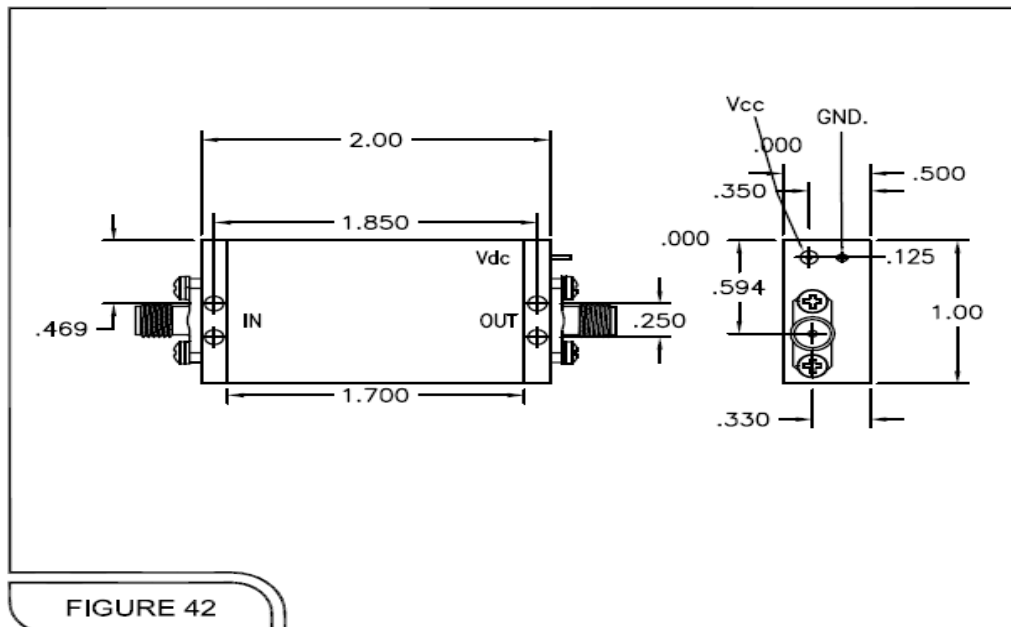


FIGURE 42