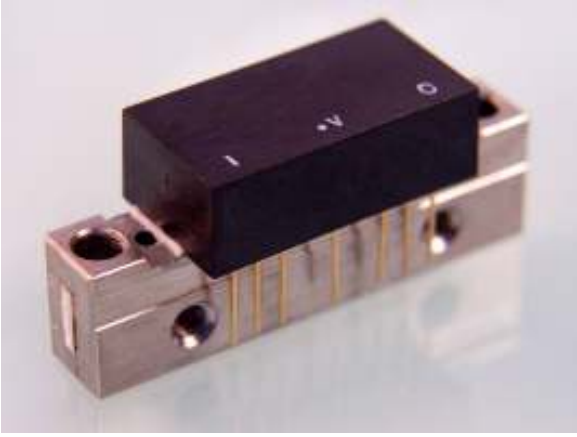
AMPLIFIER SOLUTIONS CORPORATION

ASC2834

Features: (typical values)

- Output Power – 1200mW. @ 1dB. compression, f=200 MHZ
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm. @ f = 200 MHZ
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

1 – 320 MHz
35.0 dB CATV Linear Amplifier



Maximum Ratings

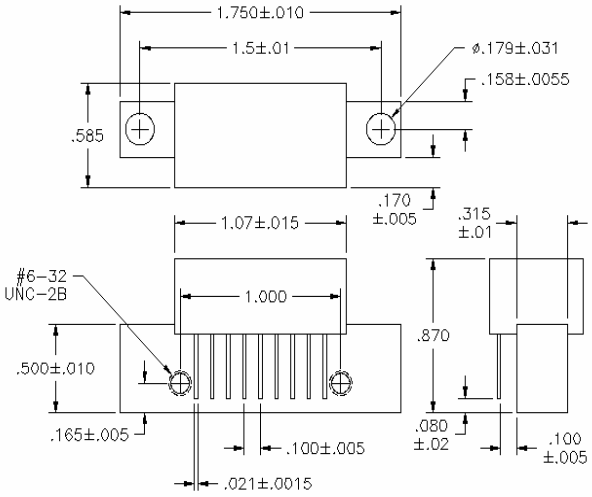
Storage temperature ..... -55˚C to +125˚C
DC Operating Voltage ..... +28.0 volts
RF Input Voltage ..... +5 dBm. Max.
Operating Base Temp. ..... -20 to +85˚C

Specifications @ Tcase = 25˚C, Vcc = 24V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	320	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		2.0	dB.
Input VSWR	1.7		2.5:1	-
Output VSWR	1.7		2.5:1	-
Noise Figure (f = 200mhz)	4.5		6.5	dB.
Power Output- 1dB Compression (f = 1-320 MHz)	1000	800		mW.
Third Order Intercept (IP3)	45	40		dBm.
Second Order Intercept (IP2)	80	70		dBm.
Supply Current	340		370	mA.

Pin Configuration

PIN# ..... Description
1 ..... Input
2,3,7,8 ..... Ground
5 ..... +V.
9 ..... Output
4, 6 ..... Not used



2950-K Advance lane, Colmar, PA 18915 Phone: 215.997.7856 Fax: 215.997.7857
www.amplifiersolutions.com