

ASC2803C

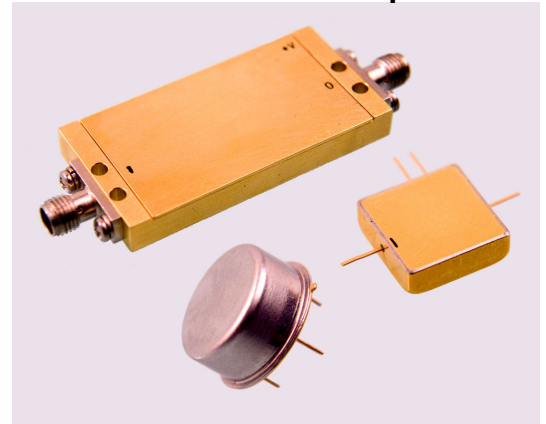
Features: (typical values)

- Output Power +35 dBm.
- Low Noise 3.0 dB
- High Gain +36 dB

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +24volts
 RF Input Power +5 dBm.
 Case Temperature +95°C

30-600 MHz Low Distortion Amplifier



Specifications (Referenced to 50 ohms Impedance)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		30	600	MHz.
Gain	35.5	34	37	dB.
Reverse Isolation	-45		-40	dB.
Pout @ 1dB Comp	+36.0	+34.0		dBm.
NF	3.0		5	dB.
OIP ₃ (two-tone) @ +25dbm per tone Δf=2MHz	52	48		dBm.
OIP ₂ (two-tone) @ +25dbm per tone	80	65		dBm.
Input Return Loss	-14		-10	dB
Output Return Loss	-10		-7	dB
Supply Required	+24/550		+24/650	v/mA.

Min. and max. values are from 0°C to +50°C

