

Features: (typical values)

- Output Power – .. 23dbm. @ 1dB. compression,
- NF..... 4.5 dB
- GAIN 25.0 dB
- Unconditional Stability

Maximum Ratings

Storage temperature -55°C to +125°C
 DC Operating Voltage +15.0 volts
 RF Input Voltage +24dBm. Max.
 Operating Base Temp. 0 to +75°C
 No damage Temp -54°C to +85°C

2-10 GHz Casscade Amplifier



Specifications @ Tcase = 25°C, Vcc = 15V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		2	10	GHz.
Power Gain	25.0	23	28	dB.
Gain Flatness	±1.0		±1.5	dB.
Input VSWR	1.8		2.1:1	-
Output VSWR	1.8		2.1:1	-
Reverse Isolation	40.0			dB
Noise Figure	4.5		6.5	dB.
Power Output- 1dB Compression	22	20		dBm.
Third Order Intercept (IP3)@ 12 dBm per tone	35	33		dBm.
Second Order Intercept (IP2)	42			dBm.
Supply Current @ 15 Volts	300		350	mA.

