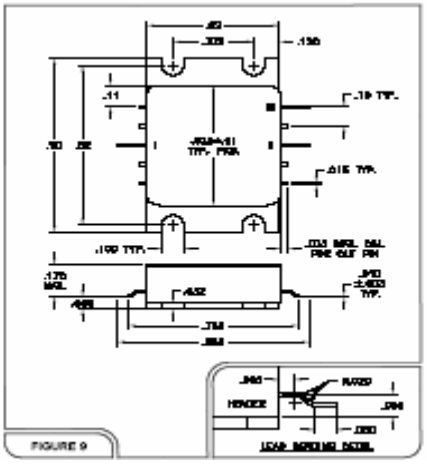
ASC227C 100-2200MHz.
Wide Band Amplifier



Features: (typical values)

- Wideband 100-2200 MHz
- High Second Order IP2 …….....+54.0 dBm.
- High Third Order IP3 ……..... +42.0 dBm.

Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		100	2200	MHz.
Gain	12.0	10.0		dB.
Gain Flatness	±0.3		±0.5	dB.
Gain Var.vs Temp.	±0.5			ΔdB.
Pout @ 1dBComp.	+25	+22		dBm.
Noise Figure	4.0		5.0	dB.
IP_3/IP_2 (two-tone)*	42/54	40/52		dBm.
HIP2 (2nd harm)	59			dBm
VSWR In	1.35:1		1.7:1	Ratio
VSWR Out	1.5:1		1.7:1	Ratio
Supply Req'd	+15/200		+15/250	v/mA.

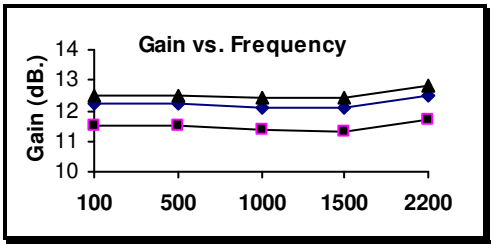
Min. and max. values are from 0˚C to +85˚C
*IP3 and IP2 are in band output intercept points

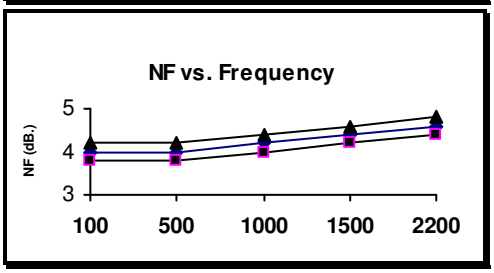
Maximum Ratings

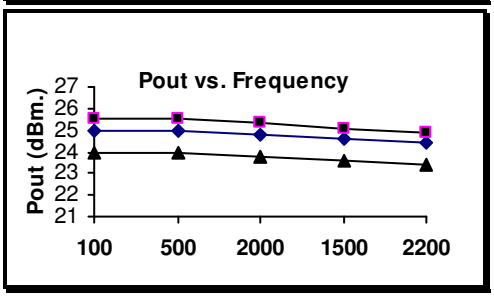
Storage Temperature …….. -62˚C to +125˚C
DC Voltage ……... +17 volts
RF Input Power …….. +20.0 dBm.
Case Temperature …….. +95˚C

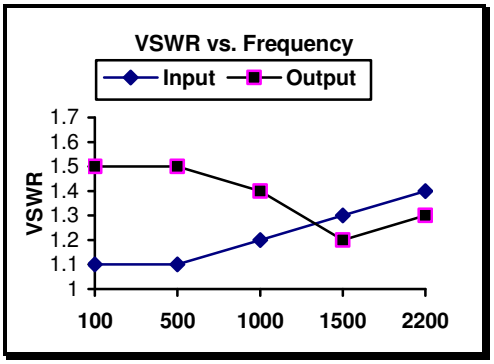
Typical Performance Curves

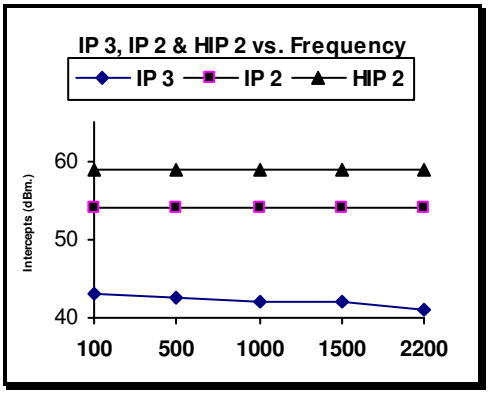
- ■ - 0˚C - ◆ +25˚C - ▲ +85˚C











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