

**7.5 – 18 GHz 12 dBm Amplifier**
**FEATURES**

- P<sub>1dB</sub>: 12 dBm
- NF : 4.5 dB
- Bias Condition: 200 mA @ 15 V

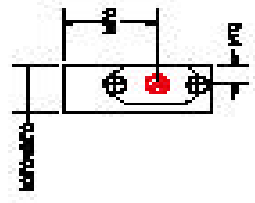
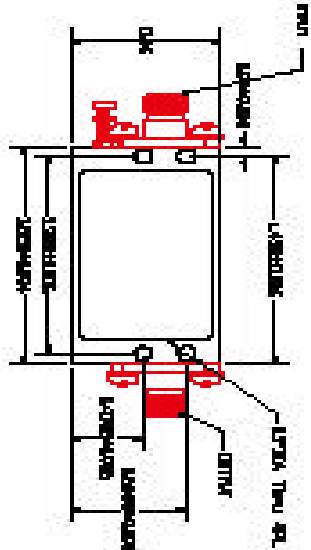
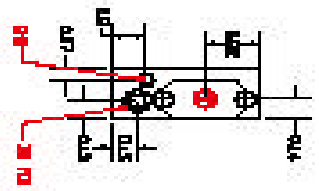
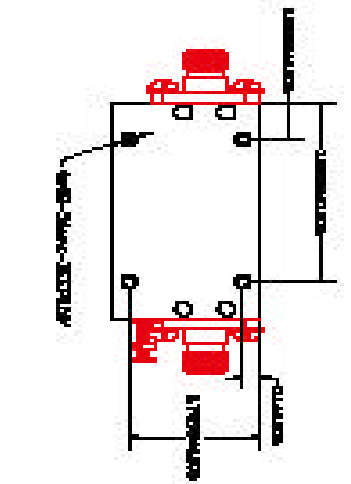
**ELECTRICAL SPECIFICATIONS (Ta = 25 ° C)**

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	7.5		18	GHz
SSG	Small Signal Gain	22.5	24	25.5	dB
GOF	Small Signal Gain Flatness		±1.0	±2.0	dB
NF	Noise Figure			4.5	dB
P <sub>1dB</sub>	Output Power at 1 dB Gain Compression	12			dBm
IP3	Third Order Intercept Point	22			dBm
Spurious	Spurious		50		dBc
Harmonics	Harmonics at 1dB CP	20			dBc
VSWR, IN/OUT	Input / Output VSWR			2.0:1	-----
MSIP	Max. Safe Input Power (CW)			20	dBm
V <sub>dc</sub>	DC Supply Voltage (with built-in regulator)		15		Volt
I <sub>dc</sub>	Current Supply			0.2	A
OTR	Operating Temperature Range	0		75	° C

**CONNECTOR : SMA Female, Replaceable**

**CASE : as attached**

REV	DESCRIPTION	DATE	APP'D



USE THE FOLLOWING INFORMATION TO ANSWER QUESTIONS 1 THROUGH 10. A 100V AC SOURCE 100W LAMP 200V AC SOURCE 100W LAMP	
QUESTIONS	ANSWERS
1	
2	
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