



AMP-7200X

HIGH POWER AMPLIFIER

5 W FOR 4.9 – 6.2 GHz

This is a high power microwave amplifier for 4.9 – 6.2 GHz made for Military applications. It requires only 100 mW -250 mW RF power input for 5 W RF power output in 5.6 GHz band. This amplifier needs 12 V / 1.8 A for the full power. Weight is 3000 grams. This is a unidirectional amplifier.



Technical Specifications	
Operating Frequencies:	4900 MHz- 6200 MHz
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	5 W
Input power:	100 mW - .250 mW
Minimum required voltage:	10 V
Battery power:	12 V - 14 V
Video distortion:	N/A
Video Format:	N/A
Current Consumption:	1.8 A / 12 V
Antenna:	N/A
Antenna Connector:	SMA, N on request
Impedance:	50 ohms
Temperature Range:	-40 +75* C
Dimensions:	5" X 2.2 " X 1.6"
Weight:	3000 grams

TEST RECORD

RF AMPLIFIER 4.9 GHz-6.2 GHz

MODEL NUMBER: AMP-7200X
COUNTRY: CAN
FACTORY TEST: MULTY
SERIAL NUMBER: N/A
OPERATING FREQUENCY: 4,800 GHz-6,2 GHz
EXTERNAL STABILITY: + 200 kHz
OUTPUT POWER: 4.98 W/5.6 GHz
HARMONIC FREQUENCIES: -54 dBc
LINEARITY: .005%
MODULATION BANDWIDTH 0-6 MHz
TOTAL VIDEO DISTORTION: .5%
DC POWER: 14.4 V max
CURRENT: 1840 mA / 12.6 V
MINIMUM VOLTAGE REQUIRED 10.8 V
MAXIMUM VOLTAGE 16 V REGULATED
TEST EQUIPMENT: R 3132 Advantest SA, ROHDE-SCHWARTZ POWER METER
TESTED BY: N/A
DATE: 11.04.05
COUNTRY: CAN
LAB: RFL

