



AMP-7000XM HIGH POWER AMPLIFIER 5 W FOR 5.8 GHz

This is a high power microwave amplifier for 5.8 GHz made for Military applications. It requires 150 mW RF power input for 5 W RF power output in 5.8 GHz band. This amplifier needs 12 V / 1.8 A with a full power. Weight is 3000 grams. This is a unidirectional amplifier.



Technical Specifications	
Operating Frequencies:	5600 MHz- 5900 MHz
Operating class:	Linear AB
DC Voltage:	12 V
RF power:	5 W
Input power:	150 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:	-50 +75* C
Dimensions:	5" X 2.2 " X 1.6"
Weight:	3000 grams

TEST RECORD

RF AMPLIFIER 5.8 GHz

MODEL NUMBER: AMP-7000XM

COUNTRY: US

FACTORY TEST: _____

SERIAL NUMBER: N/A

OPERATING FREQUENCY: 5.800 GHz

EXTERNAL STABILITY: +/- 200 kHz

OUTPUT POWER: 5.0 W

HARMONIC FREQUENCIES: -55 dBc

LINEARITY: .005%

MODULATION BANDWIDTH 0-6 MHz

TOTAL VIDEO DISTORTION: .5%

POWER: 14 W max

CURRENT: 1550 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: US

LAB: RFL

