



**Part Number: 97-04107-01 Revision A**  
**Model Number: MHP250-6.6ADM-A1**

The MHP250-6.6ADM-A1 driver is a RF driver module with Analog and Digital Modulation input and an RF output of 6.6Watts into a 50-ohm load.

**Unit manufactured to be compliant with EU Directive 2002/95/EC for Reduction of Hazardous Substance (RoHS).**

**PARAMETER:**

**SPECIFICATION:**

Output Frequency:	250 MHz $\pm$ 0.01% Quartz stabilized.
Spurious Levels:	-40 dBc maximum
Harmonic Distortion:	-15 dBc maximum
Analog Input:	0-1 volt into 50 ohms 1 volt = full RF power 0 = RF power off
Digital Input:	TTL Levels TTL High = full RF power TTL Low = minimum RF power
Analog Extinction Ratio:	40 dB minimum
Digital Extinction Ratio:	30 dB minimum
RF Rise / Fall Time:	10 ns typical P <sub>RF</sub> : 10 to 90 %
RF Output Power:	6.6 Watts nominal, 8 Watts maximum. Maximum output power set by internal pot.
Output Impedance:	50 ohms nominal
Supply Voltage:	+ 24 Volts DC $\pm$ 0.5 Volt
Supply Current:	2 Amps maximum
Airflow across heat sink:	18 CFM @ +25 °C

**MAXIMUM RATINGS:**

Supply Voltage:	+ 28 Volts DC
Power Output:	No DC feedback allowed
Case Temperature:	+ 55 °C

**CONNECTORS & MECHANICAL:**

RF Output Connector:	SMA female
Modulation Input Connector:	Feed through pin
Power Supply Connections:	Vcc Return
Physical Body Size:	5.43" L x 2.42" H x 3.90" W

**RELATED DOCUMENTS:**

Outline Drawing:	97-04107-01-15
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