

## DEVICE SPECIFICATIONS

### MODEL NUMBER:

**MHPXXX-YYADM-A1**

(Formerly 31XXX-YYADM)

**DOCUMENT NUMBER: 56A18292B**

The MHPXXX-YYADM-A1 driver is a RF driver module with analog and digital modulation input and up to 20 watts output into a 50 ohm load.

### PARAMETER

### SPECIFICATION

Output Frequency: ( <b>XXX</b> )	24 MHz to 260 MHz ± 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 (pulled high internally via 4.7k ohms) TTL high = full RF power TTL low = minimum RF power
Extinction Ratio:	40 dB Minimum
RF Rise / Fall Time	30 ns maximum, 20 ns typical, 10 ns > 210 MHz P <sub>RF</sub> : 10 to 90%
RF Output Power: ( <b>YY</b> )	2 to 20 watts nominal, maximum output power set by internal pot.
Output Impedance:	50 ohms nominal
Supply Voltage:	+ 24 volts DC ± 0.5 volts
Supply Current:	3 amps maximum
Air flow across heat sink	18 CFM @ 25 <sup>0</sup> C

### MAXIMUM RATINGS:

Supply Voltage:	+28 volts DC
Power Output:	No DC feedback allowed
Case Temperature:	+ 55 <sup>0</sup> 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:	53D1597
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**For More Information, Contact: [Sales@goochandhousego.com](mailto:Sales@goochandhousego.com) [www.goochandhousego.com](http://www.goochandhousego.com)**

As part of our policy of continuous product improvement we reserve the right to change specifications at any time.