



# NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

## 31080-4DM

### SPECIFICATIONS

Document Number: **56A18289A**

The 31080-4DM Driver is a RF Driver OEM module with Digital Modulation Input and a 4 Watt Output into a 50 Ohm Load.

#### PARAMETER:

Output Frequency:  
Spurious Levels:  
Harmonic Distortion:  
Digital Input:

Extinction Ratio:  
RF Rise / Fall Time:

RF Output Power:

Output Impedance:  
Supply Voltage:  
Supply Current:  
Air flow across heat sink:

#### MAXIMUM RATINGS:

Supply Voltage:  
Power Output:  
Case Temperature:

#### CONNECTORS & MECHANICAL:

RF Output Connector:  
Modulation Input Connector:  
Power Supply Connections:

Physical Body Size:

#### RELATED DOCUMENTS:

Outline Drawing: 53D1597  
Operating Manual: 51A17632  
Acceptance Test Results Form: 52A17633

#### SPECIFICATION:

80.000 MHz  $\pm$  0.01% Quartz Stabilized  
-40 dBc Maximum  
-15 dBc Maximum  
TTL Levels  
TTL HIGH = Full RF Power  
TTL LOW = Minimum RF Power

40 dB Minimum  
20 ns Maximum  
 $P_{RF}$ : 10 to 90 %

4 Watts Nominal, Adjustable 2 to 20 Watts  
Factory Set for Optimum Performance  
When Paired with a NEOS AO Device.

50 Ohms Nominal  
+ 24 Volts DC  $\pm$  0.5 Volt  
2 Amps Maximum  
18 CFM @ 25<sup>o</sup>C

+ 28 Volts  
No DC Feedback Allowed  
+ 55<sup>o</sup> C

SMA Female  
Feed Through Pin  
Feed Through Pin  
Feed Through Pin  
5.43" L x 2.42" H x 3.90" W

**For More Information, Contact NEOS Technologies**

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