



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

21080-1DM

SPECIFICATIONS

Document Number: **56A17011**

The 21080-1DM OEM Module Is A RF Driver With Digital Modulation Input And One 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:

MAXIMUM RATINGS:

Supply Voltage:

Power Output:

Case Temperature:

CONNECTORS & MECHANICAL:

RF Output Connector:

Modulation Input Connector:

Power Supply Connections:

Vcc

Return

Physical Size:

RELATED DOCUMENTS:

Outline Drawing:

53B2384

Acceptance Test Procedure:

42A16092

Operating Manual:

51A14095

Acceptance Test Results Form:

52A17031

SPECIFICATION:

80.000 MHz \pm 0.01% Quartz Stabilized

-50 dBc Maximum

-15 dBc Maximum

TTL Levels

TTL HIGH = Full RF Power

TTL LOW = Minimum RF Power

50 dB Minimum

20 ns Maximum

P_{RF}: 10 to 90 %

20 ns Maximum

P_{RF}: 90 to 10 %

1 Watts Nominal

Adjustable

Factory Set for Optimum Performance

When Paired with a NEOS AO Device.

50 Ohms Nominal

+ 24 VDC \pm 0.5 Volt

1 Amp Maximum

+ 28 Volts

No DC Feedback Allowed

+ 55⁰ C

The Driver Must Be Attached to an

Adequate Heatsink.

BNC Female

BNC Female

Solder Post

Ground Lug

4.8" L x 1.61" H x 3.87" W

For More Information, Contact:

neos@neostech.com

Ph. (321) 242-7818

Fax (321) 242-1019