



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

21080-2AM

SPECIFICATIONS

Document Number: **56A17083**

The 21080-2AM OEM Module Is A RF Driver With Analog Modulation Input And Two Watt Output Into A 50 Ohm Load.

PARAMETER:

SPECIFICATION:

| | |
|----------------------|--|
| Output Frequency: | 80.000 MHz \pm 0.01% Quartz Stabilized |
| Spurious Levels: | -50 dBc Maximum |
| Harmonic Distortion: | -15 dBc Maximum |
| Analog Input: | \pm 1 Volt into 50 Ohms \pm 1 Volt = Full RF Power 0 Volt = Minimum RF Power |
| Extinction Ratio: | 50 dB Minimum |
| RF Rise | 20 ns Maximum P_{RF} : 10 to 90 % |
| Fall Time | 20 ns Maximum P_{RF} : 90 to 10 % |
| RF Output Power: | 2 Watts Nominal Adjustable Factory Set for Optimum Performance When Paired with a NEOS AO Device. |
| Output Impedance: | 50 Ohms Nominal |
| Supply Voltage: | + 24 VDC \pm 0.5 Volt |
| Supply Current: | 1 Amp Maximum |

MAXIMUM RATINGS:

| | |
|-------------------|--|
| Supply Voltage: | + 28 Volts |
| Power Output: | No DC Feedback Allowed |
| Case Temperature: | + 55 ⁰ C The Driver Must Be Attached to an Adequate Heatsink. |

CONNECTORS & MECHANICAL:

| | |
|-----------------------------|--------------------------------------|
| RF Output Connector: | BNC Female |
| Modulation Input Connector: | BNC Female |
| Power Supply Connections: | Vcc Solder Post Return Ground Lug |
| Physical Size: | 4.8" L x 1.61" H x 3.87" W |

RELATED DOCUMENTS:

| | | | |
|-------------------|----------|-------------------------------|----------|
| Outline Drawing: | 53B2384 | Acceptance Test Procedure: | 42A17064 |
| Operating Manual: | 51A14096 | Acceptance Test Results Form: | 52A17102 |

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