



# NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

## 21035-0.4DM

### SPECIFICATIONS

Document Number: **56A17016**

The 21035-0.4DM OEM Module Is A RF Driver With Digital Modulation Input And A 0.4 Watt Output Into A 50 Ohm Load.

#### PARAMETER:

#### SPECIFICATION:

Output Frequency:	35.000 $\pm$ MHz 0.01% Quartz Stabilized
Spurious Levels:	-50 dBc Maximum
Harmonic Distortion:	-15 dBc Maximum
Digital Input:	TTL Levels TTL HIGH = Full RF Power TTL LOW = Minimum RF Power
Extinction Ratio:	50 dB Minimum
RF Rise	30 ns Maximum $P_{RF}$ : 10 to 90 %
Fall Time	30 ns Maximum $P_{RF}$ : 90 to 10 %
RF Output Power:	0.4 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 <sup>0</sup> 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:	42A16097
Operating Manual:	51A14096	Acceptance Test Results Form:	52A17036

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