



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

64090-150-7AMVCO

SPECIFICATIONS

Document Number: **56A17903**

The 64090-150-7AMVCO is a variable frequency RF Driver OEM Module with frequency control and analog modulation input having a 7 Watt output into a 50 Ohm load.

PARAMETER:

SPECIFICATION:

Output Frequency:	90 to 150 MHz
Spurious Levels:	-45 dBc Maximum
Harmonic Distortion:	-15 dBc Maximum
Frequency Control Voltage (2X):	2 to 15 Volts Typical
Analog Input :	± 1 Volt into 50 Ohms, 0 Volts = minimum RF output 1 Volt = maximum RF output
CW Voltage Output	+1 Volt DC, May be used to pull up the Analog input.
Extinction Ratio:	30 dB Minimum
RF Rise / Fall Time	20 ns Typical, 30 ns Maximum P_{RF} : 10 to 90 %
RF Output Power:	7 Watts - Adjustable, Factory set for optimum performance when paired with a NEOS AO Device.
Output Power Flatness:	1.5 dB Maximum
Output Impedance:	50 Ohms Nominal
Power Input:	+24 VDC @ 3 Amps
Air flow across heat sink	18CFM @ 25 ⁰ C

MAXIMUM RATINGS:

Supply Voltage:	+28 VDC
Power Output:	No DC Feedback Allowed
Case Temperature:	+ 55 ⁰ C

CONNECTORS & MECHANICAL:

RF Output Connector:	SMA Female
Modulation Input Connector:	Feed Through Pin
FM Control Input Connector	Feed Through Pin
CW Voltage Output	Feed Through Pin
Power Supply Connections:	Vcc Feed Through Pin Return Feed Through Pin

RELATED DOCUMENTS:

Outline Drawing:	53D11583 (Reference)
Acceptance Test Results Form:	52A12234

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