



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

64090-150-7ASVCO

SPECIFICATIONS

Document Number: **56A18025**

The 64090-150-7ASVCO is a Variable Frequency Driver in a Rack Mountable System Box with Analog Modulation Input and 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:	2 to 15 Volts Typical
Analog Modulation Input:	± 1 Volt Analog into 50 Ohms, 0 Volts = Minimum RF output 1 Volts = Maximum RF output
Extinction Ratio:	30 dB Minimum
RF Rise / Fall Time	20 ns Maximum / 30 ns Maximum P_{RF} : 10 to 90 %
RF Output Power:	7 Watts Nominal, 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
Supply Voltage:	90 - 240 VAC $\pm 5\%$ 50 - 60 Hz Fused @ 1.5 Amps.

MAXIMUM RATINGS:

Supply Voltage:	264 VAC
Power Output:	No DC Feedback Allowed
Case Temperature:	+ 55 ⁰ C

CONNECTORS & MECHANICAL:

RF Output Connector:	BNC Female
Modulation Input Connector:	BNC Female
Frequency Voltage Connection	BNC Female
Power Supply Connections:	3 pin IEC Panel Mount EMI Filtered

RELATED DOCUMENTS:

Outline Drawing: Reference 53D1702

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