



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

21XXX-YYY-ZASVCO-2

SPECIFICATIONS

Document Number: **56A17849**

The 21XXX-YYY-ZASVCO-2 is supplied as a rack mountable box with two variable frequency RF Drivers with independent frequency controls and analog modulation inputs with each driver having a Z Watt output into a 50 Ohm load.

PARAMETER:

SPECIFICATION:

Number of Variable Frequency Oscillators:	2
Output Frequency:	XXX to YYY MHz Where XXX to YYY Typically is less than an Octave bandwidth, with frequencies from 35 to 300 MHz .
Spurious Levels:	-45 dBc Maximum
Harmonic Distortion:	-15 dBc Maximum
Frequency Control Voltage (2X):	2 to 15 Volts Typical
Analog Input (2X):	± 1 Volt into 50 Ohms, 0 Volts = minimum RF output 1 Volt = maximum RF output
Extinction Ratio:	30 dB Minimum
RF Rise / Fall Time	20 ns Typically, 30 ns Maximum P _{RF} : 10 to 90 %
RF Output Power:	Z Watts - 1 to 2 Watts Nominal – Adjustable, Factory set for optimum performance when paired with a NEOS AO Device.
Output Power Flatness:	1.5dB Maximum
Output Impedance:	50 Ohms Nominal
Power Input:	90 to 240 VAC @ 50 / 60 Hz Fused @ 3 Amps

MAXIMUM RATINGS:

Supply Voltage:	264 VAC
Power Output:	No DC Feedback Allowed
Ambient Temperature:	+ 45 ⁰ C

CONNECTORS & MECHANICAL:

RF Output Connectors:	BNC Female (2X)
Modulation Input Connectors:	BNC Female (2X)
Frequency Control Connections:	BNC Female (2X)
Power Supply Connections:	3 pin IEC panel mount EMI Filtered.

RELATED DOCUMENTS:

Outline Drawing:	53D2248
Acceptance Test Results Form:	52A12611

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