



NEOS TECHNOLOGIES

A Gooch & Housego Company

MODEL NUMBER:

21110-1SAS

SPECIFICATIONS

Document Number: **56A17566**

The 21110-1SAS System is a RF Driver with Analog Modulation Input, Frequency Control and a 1 Watt Output into a 50 Ohm Load.

<u>PARAMETER:</u>	<u>SPECIFICATION:</u>
Output Frequency:	110 MHz Center Frequency
Internal Scan Bandwidth	5 MHz nominal Bandwidth Adjustable by ± 5 MHz from the normal Center Frequency
Harmonic Distortion:	-15 dBc Maximum
External Scan Input :	-5 to +5 Volts Typical
Analog Input:	± 1 Volt into 50 Ohms, ± 1 Volt = Full RF Output 0 Volts = RF Off
Extinction Ratio:	27 dB Minimum
RF Rise	40 ns Maximum P_{RF} : 10 to 90 %
Fall Time	40 ns Maximum P_{RF} : 90 to 10 %
RF Output Power:	1 Watt Nominal - Adjustable Factory set for optimum performance when paired with a NEOS AO Device.
Output Power Flatness:	1 dB Maximum
Output Impedance:	50 Ohms Nominal
Power Input:	90 to 240 VAC @ 50 / 60 Hz Fused @ 1 Amp

MAXIMUM RATINGS:

Supply Voltage:	264 VAC
Power Output:	No DC Feedback Allowed
AM Input	± 1 Volt
Frequency Control Voltage:	± 6 Volts
Case Temperature:	+ 45 ⁰ C

CONNECTORS & MECHANICAL:

RF Output Connector:	BNC Female
Modulation Input Connector:	BNC Female
Frequency Control Connection:	BNC Female
Power Supply Connections:	3 pin IEC panel mount EMI Filtered.
Physical Body Size:	10.03" L x 3.45" H x 19.01" W

RELATED DOCUMENTS:

Outline Drawing:	53D3127	Acceptance Test Procedure:	42A 17470
Operating Manual:	51A00586	Acceptance Test Results Form:	52A17567

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