

**Description**

Mi-Wave's 511 series Programmable Rotary Vane Attenuators

**Notes**

Other Features: Mode Free Back-lit Display Fast Operation Interactive User menu Long MTBF

S/N: na

**Electrical Specifications**

	<b>Minimal</b>	<b>Typical</b>	<b>Maximum</b>
Frequency Range	110 GHz		170 GHz
Attenuation Range	0 dB		60 dB
Resolution (for 0-70 dB attenuation range)		0.01 dB steps	
Insertion Loss		3.5 dB	
VSWR		1.2:1	
Speed (attenuation change from 0-70 dB)		less than 2 seconds	
MTBF		>1000000 cycles	
Operating Voltage(100-240 Vac adapter is supplied)		24 Volts	
Programmable GPIB Address		up to 30	
Power Handling (CW)			0.1 Watts
Calibration	0	40	50
Calibration Accuracy 0 to 40 db		2%	
Calibration Accuracy 40 to 50 db		3%	
Calibration Accuracy 50 to 60 db (ref. only)		4%	

**Physical Specifications**

Input and Output Port	WR-6 Waveguide, UG-387/U-M Flange
Remote Control Interface	IEEE-488 and USB port
Manual Control Interface	4 LED Buttons

Tested by: Kim Madden

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