

SPECIFICATION SHEET**JFW MODEL 50P-2111****SOLID STATE PROGRAMMABLE ATTENUATOR**

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Frequency Range	200-8400 MHz										
Impedance	50 Ohms nominal										
Attenuation Range	0-95 dB in 1 dB steps										
Attenuation Steps	1, 2, 4, 8, 16, 32 and 32 dB										
VSWR	2.0:1 maximum < 1.6:1 typical										
Attenuation Accuracy (guaranteed monotonic)	<table><tr><td>± 0.50 dB</td><td>1-7 dB</td></tr><tr><td>± 0.60 dB</td><td>8-15 dB</td></tr><tr><td>± 0.85 dB</td><td>16-23 dB</td></tr><tr><td>± 1.00 dB or 4%</td><td>24-95 dB</td></tr><tr><td colspan="2">(whichever is greater)</td></tr></table>	± 0.50 dB	1-7 dB	± 0.60 dB	8-15 dB	± 0.85 dB	16-23 dB	± 1.00 dB or 4%	24-95 dB	(whichever is greater)	
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± 1.00 dB or 4%	24-95 dB										
(whichever is greater)											
Insertion Loss	7.0 dB maximum 4.1 dB typical @ 2 GHz 5.0 dB typical @ 4 GHz 6.4 dB typical @ 8.4 GHz										
RF Input Power	+24 dBm (operating - Input Side) +15 dBm (operating - Output Side) +25 dBm (no damage - Input Side) +16 dBm (no damage - Output Side)										
Switching Speed	4 microseconds maximum 0.7 microseconds typical										
DC Supply	+5Vdc @ 2mA nominal										
Control	USB control										
Test Software (Microsoft .NET 4.0+) (Windows Vista or greater)	The included JFW software allows control of multiple USB devices. JFW managed library available for development in user made applications.										
DC Connector	USB MINI-B 6' USB A to USB Mini-B Cable Included										
RF Connector	SMA female										
Operating Temperature Range	-40°C to +85°C										
Physical Size	See outline drawings 092-9639										

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/07/2020		CLK 10/07/2020				
32443	03/02/2023	A	CLK 03/02/2023				
32622	07/07/2023	B	CLK 07/07/2023				