

SPECIFICATION SHEET

JFW MODEL 50P-2159

**2 CHANNEL USB CONTROLLED SOLID STATE
PROGRAMMABLE ATTENUATOR**

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Frequency Range	200-7125 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	<1.8:1 typical / 2.0:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB maximum (1-3 dB) ± 0.75 dB maximum (4-7 dB) ± 1.00 dB maximum (8-11 dB) ± 1.25 or 5% typical (12-95 dB) ± 1.25 or 7% maximum (12-95 dB) (whichever is greater)
Insertion Loss	3.1 dB typical @ 200 MHz 7.1 dB typical @ 6000 MHz 8.9 dB typical @ 7125 MHz 9.8 dB maximum 200-7125 MHz
Isolation (channel-to-channel)	> 120dB typical
RF Input Power	+27 dBm (operating) +33 dBm (no damage)
Switching Speed	4 microseconds maximum (after command is received and processed) (1 millisecond typical processing time)
DC Supply	+5 Vdc @ 400mA typical (Powered via USB)
Control	USB control (CDC-ACM Serial Device)
Test Software (Microsoft .NET 4.0+) (Windows Vista or greater)	The included JFW software allows control of multiple USB devices. Unit is also compatible with Python, C#, PuTTY (any development tool with COM Port interfacing).
DC Connector	USB-C 2 meter USB A Male to USB-C Cable Included
RF Connector	SMA female
Operating Temperature Range	-40°C to +85°C
Physical Size	See outline drawings 092-10317

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