

SPECIFICATION SHEET

JFW MODEL 50P-2141

4 CHANNEL USB CONTROLLED SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range	200-6000 MHz
Impedance	50 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8, 16 and 32 dB
VSWR	1.8:1 maximum 200-800 MHz 1.5:1 maximum 800-6000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 or 4% 12-63 dB (whichever is greater)
Insertion Loss	5.9 dB maximum 2.6 dB typical @ 200 MHz 2.8 dB typical @ 700 MHz 3.4 dB typical @ 2000 MHz 5.5 dB typical @ 6000 MHz
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 092-9250

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/01/2024		TRS 07/01/2024				