

**SPECIFICATION SHEET**

**JFW MODEL 50P-1893**

**SOLID STATE PROGRAMMABLE ATTENUATOR**

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Frequency Range 30-3000 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 30-800 MHz  
1.5:1 maximum 800-3000 MHz

Attenuation Accuracy (guaranteed monotonic) ± 0.3 dB 1-7 dB  
± 0.5 dB or 2% 8-63 dB  
(whichever is greater)

Insertion Loss 4.0 dB maximum  
2.2 dB typical @ 30 MHz  
3.7 dB typical @ 3000 MHz

RF Input Power +27 dBm (operating)  
+33 dBm (no damage)

Switching Speed 3 microseconds maximum  
0.7 microseconds typical

DC Supply +5Vdc @ 50mA nominal

Control Logic (6 Lines) TTL Low for Thru Path  
TTL High for Attenuation

DC Connector 3M #D2510-6002  
(Mating Connector 3M #3473-6610)

RF Connector SMA

Operating Temperature Range -40°C to +85°C

Physical Size See outline drawing:  
092-7462-03 (SMA female/female)  
092-7462-04 (SMA male/female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
18194	01/26/2010	A	CLK 01/26/2010	28940	08/09/2018	D	TRS 08/09/2018
19057	08/25/2010	B	CLK 08/25/2010	29124	11/06/2018	E	CLK 11/06/2018
22505	02/27/2013	C	CLK 02/27/2013	29551	05/21/2019	F	CLK 05/21/2019