

SPECIFICATION SHEET**JFW MODEL 50P-2109****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	± 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)
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	1 microsecond maximum 0.35 microseconds typical
DC Supply	+5 Vdc @ 2mA nominal
Control Logic (7 Lines)	TTL Low for Thru Path (+0 to +0.8 Vdc) TTL High for Attenuation (+2 to +5 Vdc)
DC Connector	3M #D2510-6002 (Mating Connector 3M #3473-6610)
RF Connector	SMA
Operating Temperature Range	-40°C to +85°C
Outline Drawing Numbers	092-9560-03 (SMA female/female) 092-9560-04 (SMA male/female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/20/2020		CLK 07/20/2020	32622	07/07/2023	C	CLK 07/07/2023
31559	01/25/2022	A	CLK 01/25/2022				
32444	03/02/2023	B	CLK 03/02/2023				