

SPECIFICATION SHEET

JFW MODEL 50P-2070

**SOLID STATE PROGRAMMABLE
ATTENUATOR**

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Frequency Range	30-3000 MHz
Impedance	50 Ohms nominal
Attenuation Range	0-63.75 dB in 0.25 dB steps
Attenuation Steps	0.25, 0.5, 1, 2, 4, 8, 16 and 32 dB
VSWR	2.0:1 maximum 30-700 MHz
	1.6:1 maximum 700-3000 MHz
	1.6:1 typical 30-700 MHz
	1.3:1 typical 700-3000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.15 dB 0.25-0.75 dB
	± 0.30 dB 1.00-7.75 dB
	± 1.00 dB 8.00-11.75 dB
	± 1.25 dB or 3% 12.00-63.75 dB
	(whichever is greater)
Insertion Loss	5 dB maximum
	2.7 dB typical @ 30 MHz
	3.2 dB typical @ 700 MHz
	4.5 dB typical @ 3000 MHz
RF Input Power	+27 dBm (operating)
	+33 dBm (no damage)
Switching Speed	4 microseconds maximum
	0.7 microseconds typical
DC Supply	+5 Vdc @ 2 mA nominal
Control Logic (8 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 092-7425-10

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/23/2024		CLK 01/23/2024				