

SPECIFICATION SHEET

JFW MODEL 50P-2037

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 30-3000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-127 dB in 1 dB steps

Attenuation Steps 1, 2, 4, 8, 16, 32 and 64 dB

VSWR 2.0:1 maximum 30-500 MHz
1.6:1 maximum 500-3000 MHz

Attenuation Accuracy ± 0.25 dB 1-3 dB
± 0.50 dB 4-31 dB
± 0.75 or 2% 32-127 dB
(whichever is greater)
(guaranteed monotonic)

Insertion Loss 6.8 dB maximum
3.9 dB typical @ 30 MHz
4.9 dB typical @ 700 MHz
6.5 dB typical @ 3000 MHz

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

Switching Speed 4 microseconds maximum

DC Supply +5Vdc @ 3mA nominal

Control Logic (7 Lines) TTL Low for Thru Path
TTL High for Attenuation

DC Connector 3M #D2510-6002

RF Connector SMA female

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

Physical Size See outline drawings:
092-8496-01 (SMA)
092-8496-02 (SMA M/F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/24/2017		CLK 05/24/2017				
28723	05/08/2018	A	CLK 05/08/2018				