

SPECIFICATION SHEET

JFW MODEL 50P-1984

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 200-6000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-95.5 dB in 0.5 dB steps

Attenuation Steps 0.5, 1, 2, 4, 8, 16, 32 and 32 dB

VSWR 2.0:1 maximum
< 1.6:1 typical

Attenuation Accuracy ± 0.25 dB 0.5-1.0 dB
± 0.50 dB 1.5-8.0 dB
± 0.75 dB 8.5-16.0 dB
± 1.00 dB or 4% 16.5-95.5 dB
(whichever is greater)
(guaranteed monotonic)

Insertion Loss 8.0 dB maximum
2.9 dB typical @ 200 MHz
3.3 dB typical @ 700 MHz
4.0 dB typical @ 2000 MHz
7.7 dB typical @ 6000 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 (7 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

Outline Drawing Numbers 092-7425-05 (50P-1984 SMA)
092-7425-06 (50P-1984 SMA M/F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/21/2014		TRS 04/21/2014	29124	11/06/2018	C	CLK 11/06/2018
27240	11/08/2016	A	CLK 11/08/2016				
27776	05/11/2017	B	CLK 05/11/2017				