

SPECIFICATION SHEET

JFW MODEL 50P-1853

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 200-6000 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 200-800 MHz
1.5:1 maximum 800-6000 MHz

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB 1-7 dB
± 1.00 dB 8-11 dB
± 1.25 or 4% 12-63 dB
(whichever is greater)

Insertion Loss 5.9 dB maximum
2.6 dB typical @ 200 MHz
2.8 dB typical @ 700 MHz
3.4 dB typical @ 2000 MHz
5.5 dB typical @ 6000 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)
092-7462-04 (SMA Male/Female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
17094	04/16/2009	A	CLK 04/16/2009	22505	02/27/2013	D	CLK 02/27/2013
18184	01/26/2010	B	CLK 01/26/2010	28890	07/19/2018	E	TRS 07/19/2018
19054	08/25/2010	C	CLK 08/25/2010	29124	11/06/2018	F	CLK 11/06/2018