

SPECIFICATION SHEET

JFW MODEL 50P-1857

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 200-6000 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
< 1.9:1 typical 200-700 MHz
< 1.6:1 typical 700-6000 MHz

Attenuation Accuracy ± 0.50 dB 1-7 dB
± 1.00 dB 8-11 dB
± 1.25 or 4% 12-95 dB
(whichever is greater)
(guaranteed monotonic)

Insertion Loss 8 dB maximum
3.7 dB typical @ 200 MHz
4.0 dB typical @ 800 MHz
4.8 dB typical @ 2000 MHz
7.5 dB typical @ 6000 MHz

RF Input Power +20 dBm (operating)
+25 dBm (no damage)

Switching Speed 1 microsecond maximum
0.7 microseconds typical

DC Supply +5Vdc @ 50mA nominal

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

DC Connector T&B #609-1007

RF Connector SMA female

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

Physical Size See outline drawings:
092-7425-03 (SMA)
092-7425-04 (SMA M/F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/05/2009		CLK 08/05/2009	22504	02/11/2013	C	CLK 02/11/2013
18188	01/26/2010	A	CLK 01/26/2010	25755	09/17/2015	D	TRS 09/17/2015
19055	08/25/2010	B	CLK 08/25/2010				