

SPECIFICATION SHEET

JFW MODEL 50P-1891

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 30-3000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-63.5 dB in 0.5 dB steps

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

VSWR 1.8:1 maximum 30-800 MHz
1.5:1 maximum 800-3000 MHz

Attenuation Accuracy ± 0.2 dB 0.5-7.5 dB
(guaranteed monotonic) ± 0.5 dB or 2% 8.0-63.5 dB
(whichever is greater)

Insertion Loss 4.0 dB maximum
2.5 dB typical @ 30 MHz
3.7 dB typical @ 3000 MHz

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

Switching Speed 1 microsecond maximum
0.7 microseconds typical

Spurious Emissions < -110dBm
(1 MHz switching frequency
of internal DC/DC converter)

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

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

Physical Size See outline drawing:
092-7462-07 (SMA)
092-7462-08 (SMA Male/Female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/25/2009		CLK 11/25/2009	22505	02/27/2013	C	CLK 02/27/2013
18193	01/26/2010	A	CLK 01/26/2010	26371	03/07/2016	D	CLK 03/07/2016
19056	08/25/2010	B	CLK 08/25/2010				