

SPECIFICATION SHEET

JFW MODEL 50P-1708

SOLID STATE PROGRAMMABLE ATTENUATOR

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

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 2.3:1 maximum
2.0:1 typical (Thru path)
1.8:1 typical (1 dB)
1.6:1 typical (2 dB)
1.6:1 typical (4 dB)
1.3:1 typical (8 dB)
1.4:1 typical (16 dB)
1.6:1 typical (32 dB)
1.2:1 typical (63 dB)

Attenuation Accuracy ± 1.0 dB or 4% of programmed
(guaranteed monotonic)

Insertion Loss 7.5 dB maximum
4.4 dB typical @ 200 MHz
6.3 dB typical @ 6000 MHz

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

Switching Speed 300 nanoseconds maximum

DC Supply -5 Vdc @ 10 mA nominal

Control Logic (6 Lines) TTL Low for Thru Path
TTL High for Attenuation

DC Connector 3M #3793-5303

RF Connector SMA female

Operating Temperature Range 0°C to +70°C

Physical Size See outline drawing 092-5043

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/10/2006		TRS 02/10/2006	16144	07/29/2008	C	TRS 07/29/2008
13639	12/01/2006	A	TRS 12/01/2006				
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