

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	5.5 dB maximum 2.6 dB typical @ 200 MHz 3.0 dB typical @ 800 MHz 3.5 dB typical @ 2000 MHz 5.0 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 (6 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 drawing 092-5748-03

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/10/2008		CLK 11/10/2008	19054	08/25/2010	C	CLK 08/25/2010
17094	04/16/2009	A	CLK 04/16/2009				
18184	01/26/2010	B	CLK 01/26/2010				