

**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)

\* Units shipped before 7/19/2018 (date code 1829) are only rated at +20dBm maximum. The JFW date code is a four digit code (YYWW) that follows the six digit serial number. For example date code 1908 is the 8th week of 2019.

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
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
22505	02/27/2013	D	CLK 02/27/2013	29857	10/02/2019	G	TRS 10/02/2019