

SPECIFICATION SHEET

JFW MODEL 50P-2042

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 (guaranteed monotonic)	± 0.3 dB 0.5-7.5 dB ± 0.5 dB or 2% 8.0-63.5 dB (whichever is greater)
Insertion Loss	4.0 dB maximum 2.2 dB typical @ 30 MHz 3.5 dB typical @ 3000 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	USB control
Test Software (Microsoft .NET 4.0+) (Windows Vista or greater)	The included JFW software allows control of multiple USB devices. JFW managed library available for development of user made applications.
DC Connector	USB MINI-B 6' USB A to USB Mini-B Cable Included
RF Connector	SMA female
Operating Temperature Range	-40°C to +85°C
Physical Size	See outline drawings 092-8061

* Units shipped before 8/9/2018 (date code 1832) 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
	03/15/2016		CLK 03/15/2016	29857	10/02/2019	C	TRS 10/02/2019
28940	08/09/2018	A	TRS 08/09/2018				
29547	05/21/2019	B	CLK 05/21/2019				