Frequency Range200-8400 MHzImpedance50 Ohms nominalAttenuation Range0-63 dB in 0.5 dB stepsAttenuation Steps0.5, 1, 2, 4, 8, 16 and 32 dBVSWR1.6:1 maximumAttenuation Accuracy $\pm 0.25 dB \\ \pm 0.50 dB \end{pmatrix}$	SPECIFICATION SHEET JFW MODEL 50P-2107 USB CONTROLLED SOLID STATE PRO ATTENUATOR		JFW Industries, Inc. Phone: 317-887-1340 ales@jfwindustries.com www.jfwindustries.com
Attenuation Range0-63 dB in 0.5 dB stepsAttenuation Steps0.5, 1, 2, 4, 8, 16 and 32 dBVSWR1.6:1 maximumAttenuation Accuracy± 0.25 dB ± 0.50 dB0.5-6.5 dB 7-14.5 dB	Frequency Range	200-8400 MHz	
Attenuation Steps 0.5, 1, 2, 4, 8, 16 and 32 dB VSWR 1.6:1 maximum Attenuation Accuracy ± 0.25 dB 0.5-6.5 dB ± 0.50 dB 7-14.5 dB	Impedance	50 Ohms nominal	
VSWR 1.6:1 maximum Attenuation Accuracy ± 0.25 dB 0.5-6.5 dB ± 0.50 dB 7-14.5 dB	Attenuation Range	0-63 dB in 0.5 dB step	0S
Attenuation Accuracy ± 0.25 dB 0.5-6.5 dB ± 0.50 dB 7-14.5 dB	Attenuation Steps	0.5, 1, 2, 4, 8, 16 an	nd 32 dB
± 0.50 dB 7-14.5 dB	VSWR	1.6:1 maximum	
± 1.00 dB or 3% 15-63 dB (whichever is greater)	Attenuation Accuracy	± 0.50 dB 7-14 ± 1.00 dB or 3% 15-6	4.5 dB 53 dB
Insertion Loss 4.2 dB maximum 2.1 dB typical @ 200 MHz 4.0 dB typical @ 8400 MHz	Insertion Loss	2.1 dB typical @ 200 M	
RF Input Power+24 dBm (operating - Input Side) +15 dBm (operating - Output Side)	RF Input Power		
+25 dBm (no damage - Input Side) +16 dBm (no damage - Output Side) Switching Speed 1 microsecond maximum	Switching Speed	+16 dBm (no damage - C 1 microsecond maximum	Output Side)
0.35 microseconds typical		0.35 microseconds typi	.cal
DC Supply +5 Vdc @ 2mA nominal	DC Supply	+5 Vdc @ 2mA nominal	
Control USB control	Control	USB control	
Test Software The included JFW software allows (Microsoft .NET 4.0+) (Windows Vista or greater) The included JFW software allows control of multiple USB devices. JFW managed library available for development in user made applications.	(Microsoft .NET 4.0+)	control of multiple US managed library availa	B devices. JFW ble for
DC Connector USB MINI-B 6' USB A to USB Mini-B Cable Included	DC Connector		8 Cable Included
RF Connector SMA	RF Connector	SMA	
Operating Temperature Range -40°C to +85°C	Operating Temperature Range	-40°C to +85°C	
Physical Size See outline drawing 092-9407	Physical Size	See outline drawing 09	02-9407

ECR/ECN	# DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/25/2020		CLK 09/25/2020				
32622	07/07/2023	A	CLK 07/07/2023				