

SPECIFICATION SHEET**JFW MODEL 50PA-665****PROGRAMMABLE ATTENUATOR ASSEMBLY**JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	DC-18 GHz
Configuration	Two individually controlled relay programmable attenuators
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	50 Ohms nominal
Attenuation Range	0-81 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 4, 10, 20, and 40 dB
Attenuation Repeatability (each individual cell)	± 0.01 dB typical after 5 millions cycles
Individual Cell Accuracy	1 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 2 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 4 dB ± 0.4 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 10 dB ± 0.5 dB DC-12.4 GHz ± 0.6 dB 12.4-18 GHz 20 dB ± 0.7 dB DC-12.4 GHz ± 0.8 dB 12.4-18 GHz 40 dB ± 1.2 dB DC-12.4 GHz ± 1.6 dB 12.4-18 GHz
Startup/Default States (configurable)	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command)
VSWR	1.3:1 typical DC-8 GHz 1.5:1 typical 8-12.4 GHz 1.8:1 typical 12.4-18 GHz
Insertion Loss	2.1 dB typical @ 4 GHz 2.8 dB typical @ 8 GHz 4.7 dB typical @ 18 GHz
Maximum RF Input Power	1 Watt average
Switching Speed	20 milliseconds
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Remote Commands

Attenuator Control Commands:

Atten, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover, Block, Set Block, Read Block, Read All Blocks, Fade Block, Variable Block Handover

System Commands:

Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

RF Connector

SMA female

Operating Temperature Range

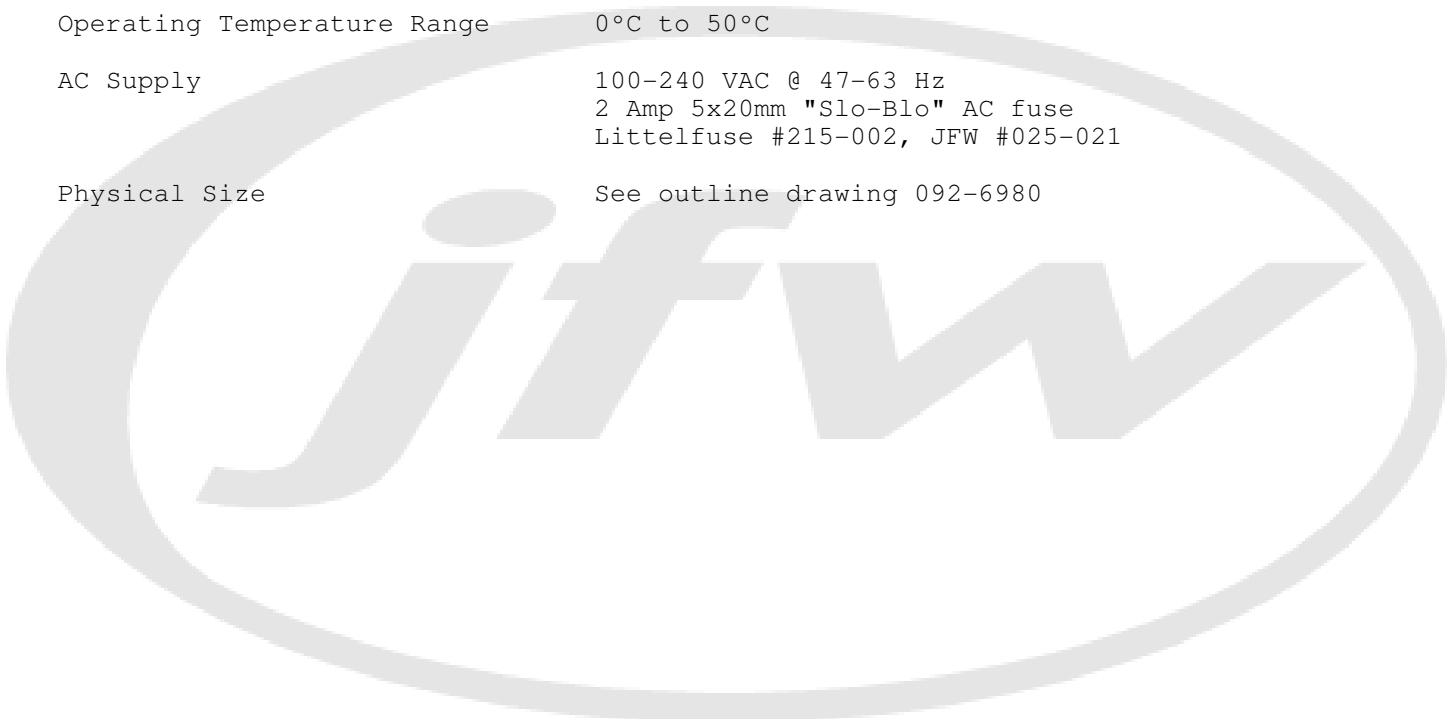
0°C to 50°C

AC Supply

100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-002, JFW #025-021

Physical Size

See outline drawing 092-6980



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/24/2011		TRS 05/24/2011				
24239	01/29/2015	A	TRS 01/29/2015				