

SPECIFICATION SHEET
JFW MODEL 50PA-948
HANDOVER TEST SYSTEM

JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range	500-6000 MHz
Configuration/Notes	4 x 2 Handover Test System (see block diagram 092-8347 for attenuator addressing) (all ports are bi-directional) (full fan-out i.e. every path has its own attenuator) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Maximum attenuation (see ATTEN STARTUP command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.8:1 maximum < 1.6:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-3 dB ± 0.75 dB 4-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater)
Insertion Loss	28 dB maximum 20 dB typical @ 500 MHz 26 dB typical @ 6000 MHz
Power Divider Isolation	21 dB minimum > 24 dB typical
RF Input Power	+30 dBm average (Input ports) +26 dBm average (Output ports)
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
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 or N female

AC Supply

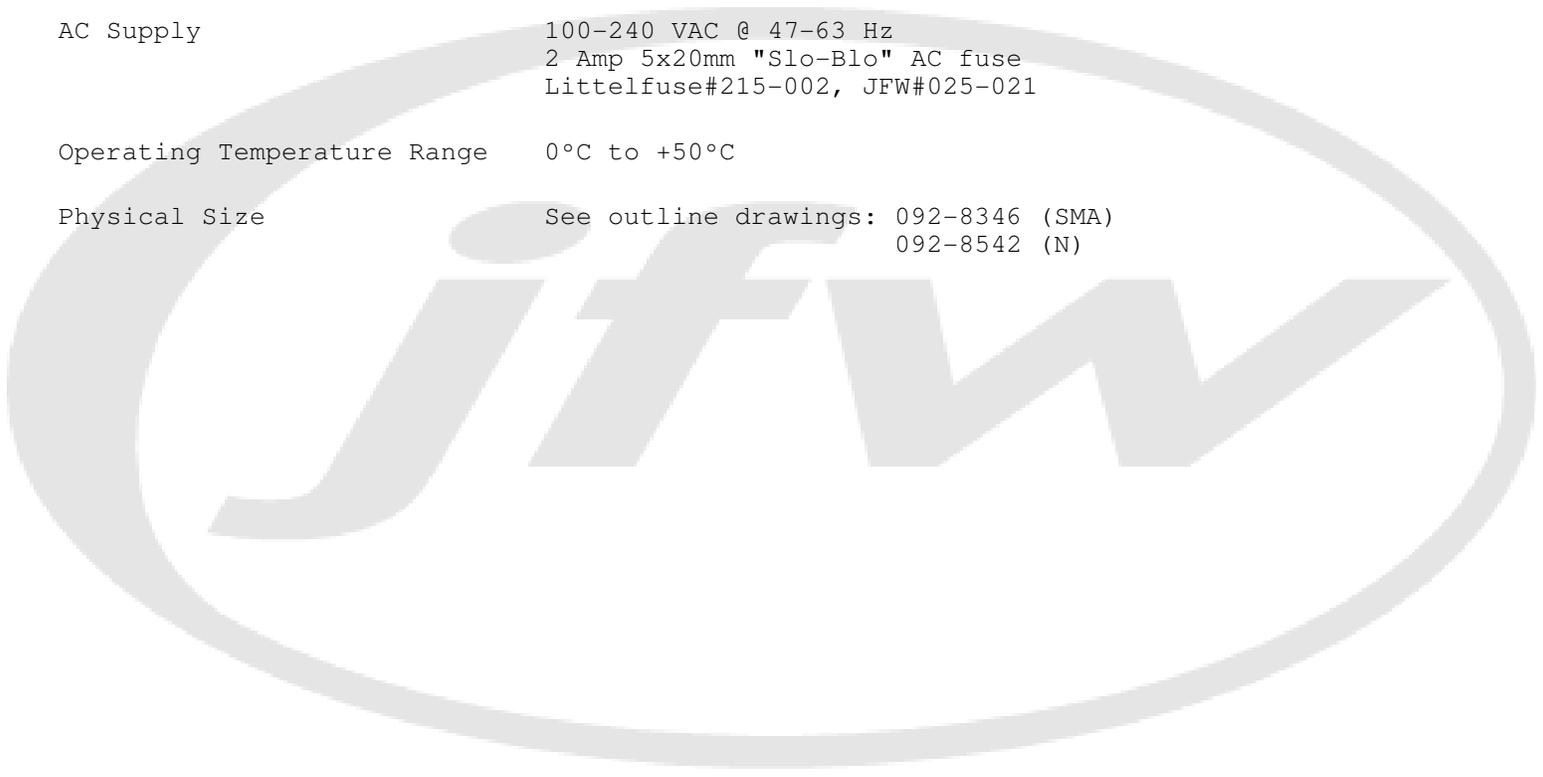
100-240 VAC @ 47-63 Hz
 2 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse#215-002, JFW#025-021

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawings: 092-8346 (SMA)
 092-8542 (N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/14/2015		CLK 07/14/2015				
26273	02/03/2016	A	CLK 02/03/2016				
28159	10/05/2017	B	CLK 10/05/2017				