

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-825**  
**HANDOVER TEST SYSTEM**

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

Frequency Range	500-6000 MHz
Configuration/Notes	6 x 2 Handover System (see block diagram 092-7823 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 @ 3RU 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
Insertion Loss	31 dB maximum
Attenuation Accuracy	± 0.50 dB      1-3 dB ± 1.00 dB      4-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
Isolation	40 dB minimum (Input to Input) 50 dB minimum (Output to Output)
RF Input Power	+30 dBm average (Input Ports) +33 dBm average (Output Ports)
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse#215-002, JFW#025-021
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 Path, Read Path, Read All Paths, 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

Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-7116



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/25/2013		TRS 09/25/2013	28159	10/05/2017	C	CLK 10/05/2017
23264	09/25/2013	A	TRS 09/25/2013				
24239	07/23/2014	B	TRS 07/23/2014				