

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-683**  
**HANDOVER TEST SYSTEM**

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

Frequency Range	698-3000 MHz
Configuration	6 x 2 Handover System (see block diagram 092-5642 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	0-127 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	1.7:1 maximum < 1.5:1 typical
Insertion Loss	27.5 dB maximum 25.5 dB typical
Attenuation Accuracy	± 0.75 dB or 2% maximum ± 0.50 dB or 2% typical (whichever is greater) (guaranteed monotonic)
Isolation	40 dB minimum (Input to Input) 50 dB minimum (Output to Output)
RF Input Power	+26 dBm average (Input Ports) +30 dBm average (Output Ports)
Switching Speed	5 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
	10/25/2011		TRS 10/25/2011				
24239	09/09/2014	A	TRS 09/09/2014				