

SPECIFICATION SHEET
JFW MODEL 50PA-452
HANDOVER TEST SYSTEM

JFW Industries, Inc.
Phone: 317-887-1340
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Frequency Range	700-3000 MHz
Configuration	2 x 2 Handover Test System (see block diagram 092-6545 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	0-127 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	1.6:1 maximum
Insertion Loss	20.0 dB maximum 18.5 dB typical
Attenuation Accuracy	± 0.75 dB or 2% maximum ± 0.50 dB or 2% typical (whichever is greater) (guaranteed monotonic)
Power Divider Isolation	23 dB minimum
RF Input Power	+20 dBm average +30 dBm no damage
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

N female

Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-5967



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/29/2008		TRS 10/29/2008				
21701	07/05/2012	A	TRS 07/05/2012				
24239	09/09/2014	B	TRS 09/09/2014				