

SPECIFICATION SHEET
JFW MODEL 50PA-694
HANDOVER TEST SYSTEM

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

Frequency Range	700-3000 MHz
Configuration	4 x 4 Handover Test System (see block diagram 092-5895 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
Insertion Loss	15.5 dB nominal @ 700 MHz 19.5 dB nominal @ 3000 MHz
Attenuation Accuracy	± 0.50 dB or 2% typical ± 0.75 dB or 2% maximum (whichever is greater) (guaranteed monotonic)
Isolation	40 dB minimum (Input to Input) 30 dB minimum (Output to Output)
RF Input Power	+26 dBm average
Switching Speed	5 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 0.29 Amps typical @ 120 VAC 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 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

Operating: 0°C to +70°C
 Storage: -55°C to +85°C

Physical Size

See outline drawings: 092-7175 (50PA-694 N)
 092-7175-01 (50PA-694 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/22/2011		BAC 12/22/2011	23701	01/29/2014	C	TRS 01/29/2014
21421	03/29/2012	A	BAC 03/29/2012	24239	07/07/2014	D	CLK 07/07/2014
22846	05/20/2013	B	BAC 05/20/2013				