SPECIFICATION SHEET

JFW MODEL 50PMA-098

TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	2-6 GHz
Configuration	5 Port Transceiver Test System (see block diagram 092-6730 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" 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) Prompt = "JFW>> " (see PROMPT command)
VSWR	1.7:1 maximum 1.5:1 typical
Attenuation Accuracy	± 0.7 dB 1-7 dB ± 1.0 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	29 dB maximum 23 dB typical @ 2 GHz 27 dB typical @ 6 GHz
Power Divider Isolation	20 dB minimum 23 dB typical
RF Input Power	1 Watt average
Switching Speed	4 microseconds (after command received and processed) (3 milliseconds typial 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, Set 2nd 32dB Bit
	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 female
Operating Temperature Range	0°C to +50°C
Physical Size	See outline drawing 092-6729

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/09/2015		CLK 01/09/2015				
28159	10/05/2017	A	CLK 10/05/2017				

JFW FORM E-7-F REV F