SPECIFICATION SHEET

JFW MODEL 50PMA-110

TRANSCEIVER TEST SYSTEM

Frequency Range	30-3000 MHz
Configuration	40 Port LC16 Limited Fan-out Transceiver Test System (see 092-8614 for block diagram) (see 092-8615 for attenuator address chart) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Limited Fan-out Description	40 Port LC16 means that each of the 32 ports is connection limited to only its 16 neighboring ports. See 092-8615 for a connection example and the chart for all internal connections through the matrix.
Enclosure Type	19 inch rack mount @ 23RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Attenuators to 95dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
VSWR	1.8:1 maximum
Attenuation Accuracy	± 0.50 dB 1-7dB ± 1.00 dB 8-11dB ± 1.25 or 3% 12-95dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	45.7 dB typical 49.1 dB maximum
Power Divider Isolation	20 dB minimum
RF Input Power	1 Watt average
Switching Speed	4 microseconds (after command is received and processed) (3 milliseconds typial processing time)
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)

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JFW FORM E-7-F REV F

SPECIFICATION SHEET

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TRANSCEIVER TEST SYSTEM

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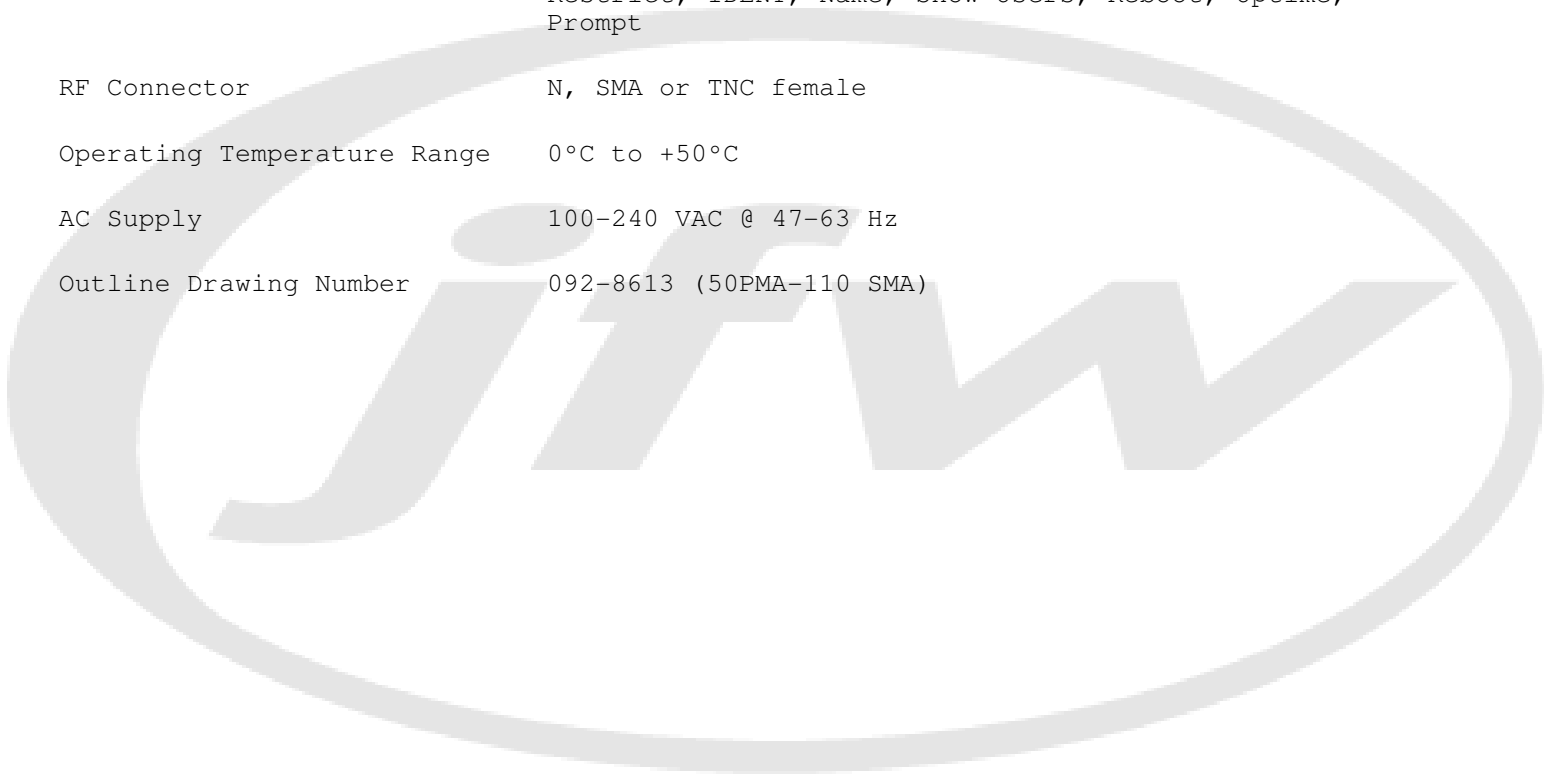|	
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)
	RS-232 (up to 115200 Baud)
Remote Commands	Attenuator Control Commands:
	Atten, Set Path, Read Path, Read All Paths, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable 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, SMA or TNC female
Operating Temperature Range	0°C to +50°C
AC Supply	100-240 VAC @ 47-63 Hz
Outline Drawing Number	092-8613 (50PMA-110 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/25/2016		TRS 04/25/2016				
28159	10/05/2017	A	CLK 10/05/2017				