SPECIFICATION SHEET

JFW MODEL 50PA-947

PROGRAMMABLE ATTENUATOR ASSEMBLY

Frequency Range	500-6000 MHz
Configuration	4 x 4 Handover Test System (see block diagram 092-5895 for attenuator addressing) (all ports are bi-directional) (full fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 3RU 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 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	1.7:1 maximum 1.4:1 typical
Insertion Loss	31.3 dB maximum 29.4 dB typical
Power Divider Isolation	20 dB minimum
Attenuation Accuracy	± 0.50 dB 1-3 dB ± 0.75 dB 4-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
RF Input Power	+30 dBm average
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical 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)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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PROGRAMMABLE ATTENUATOR ASSEMBLY

JFW Industries, Inc.
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www.jfwindustries.com

Remote Commands

Attenuator Control Commands:
Atten, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover

MIMO Testing Commands:
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

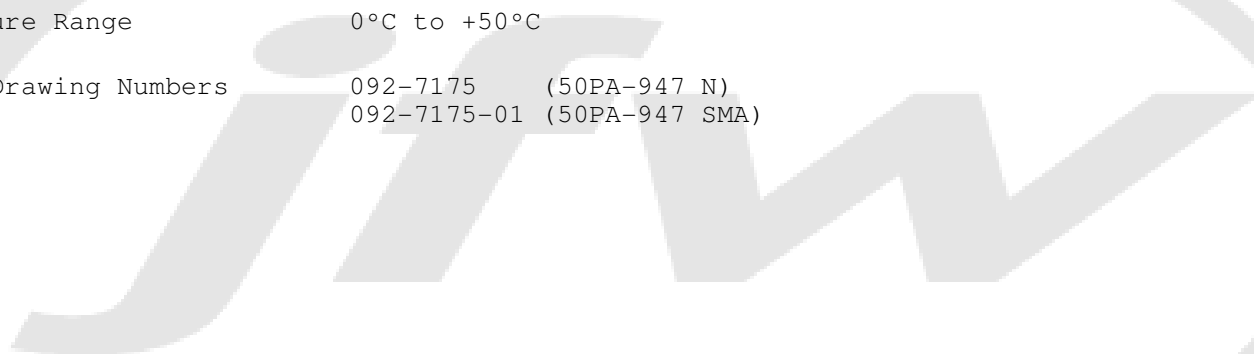RF Connector

N or SMA female

AC Supply

100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-002, JFW #025-021

Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-7175   (50PA-947 N)
092-7175-01 (50PA-947 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/28/2015		TRS 07/28/2015				
26641	05/06/2016	A	TRS 05/06/2016				
28159	10/05/2017	B	CLK 10/05/2017				