SPECIFICATION SHEET

JFW MODEL 75PA-076

(configurable)

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range DC-2150 MHz

Configuration Two individually controlled electro-mechanical

programmable attenuators

Impedance 75 Ohms nominal

Attenuation Range 0-63 dB in 1 dB steps

Startup/Default States RF switches off at startup (see SWITCH command)

Attenuators to 64dB at startup (see ATTTEN command)

Maximum attenuation (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 1.6:1 maximum

Attenuation Accuracy $1-31 \text{ dB} \pm 0.6 \text{ dB}$ or 3%

(guaranteed monotonic) 32-63 dB ± 4%

(whichever is greater)

Insertion Loss 1.25 dB typical @ 1000MHz

2.25 dB typical @ 2150MHz 2.75 dB maximum DC-2150MHz

RF Input Power +27 dBm average

Switching Speed 6 milliseconds typical

(after command is received and processed)
(3 milliseconds typical processing time)

AC Supply 100-240 VAC @ 47-63 Hz

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

F female

Operating Temperature Range

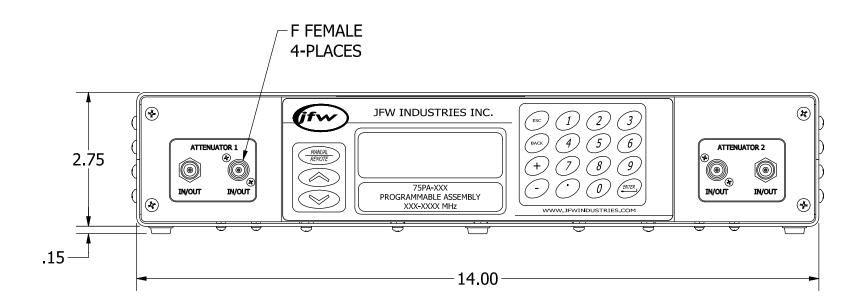
0°C to +50°C

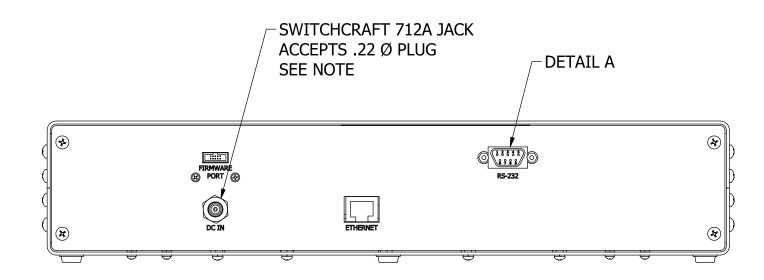
Physical Size

See outline drawing 092-7915

ECR/ECN	# DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/27/2014		BAC 01/27/2014				
25583	07/27/2015	A	BAC 07/27/2015				

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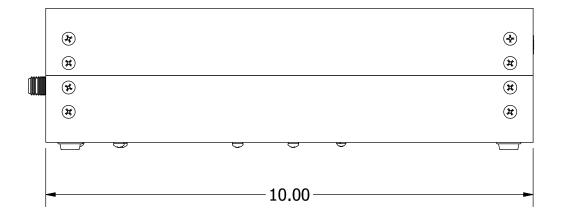


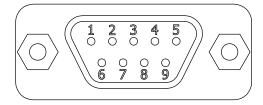
REAR VIEW

NOTE:

CASE: BLACK PAINT / FRONT & REAR: GRAY PAINT

THIS UNIT IS SUPPLIED WITH A 12 VOLT TRANSFORMER (100-240VAC)





DETAIL A DE-9S

PIN	FUNCTION				
1	CHASSIS GROUND				
2	RECEIVED DATA				
3	TRANSMITTED DATA				
4	NO CONNECTION				
5	SIGNAL GROUND				
6	NO CONNECTION				
7	RTS				
8	CTS				
9	NO CONNECTION				

REV	ECN	DATE	BY	APPR		TEVAL INTE	\	э тг	DIEC INC
-	ISSUED	1-28-14	JZ	TEZ	JFW INDUSTRIES, INC.				
Α	24123	5-15-14	JZ	TEZ					
В	24143	5-21-14	JZ	TEZ	www.jfwindustries.com PH: 317-887-1340				
С	24330	7-22-14	JZ	TEZ	www.j.m.nacc.noc.ocm				
D	24240	10-21-14	JZ	TEZ	ALUMINUM ALLOY				PROPRIETARY INFORMATION
Е	24846	7-27-15	JZ	BAC					PROPRIETARY INFORMATION
					FINISH SEE NOTE		ALL SURFACES ARE TO BE FREE		
									OF BURRS, PITS & SCRATCHES
					MODEL	75DA VVV	SCALE	1/0	TOLERANCES
						75PA-XXX		1/2	.XX±.010 .XXX±.005 XX°±.5°
					DESCRIPTION				DWG#
					PROGRAMMABLE ASSEMBLY				000 7045
								092-7915	