

SPECIFICATION SHEET
JFW MODEL 50PA-841
HANDOVER TEST SYSTEM

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

Frequency Range 500-6000 MHz

Configuration 4 x 16 Handover System
(See Block Diagram 092-7871)

Enclosure Type 19 inch rack mount @ 10RU 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)
Prompts off (see PROMPT command)

VSWR 1.8:1 maximum

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB 1-7 dB
± 1.00 dB 8-11 dB
± 1.25 dB or 4% 12-63 dB
(whichever is greater)

Insertion Loss 40 dB maximum
30 dB typical @ 500 MHz
37 dB typical @ 6000 MHz

Isolation 43 dB minimum (Input to Input)
55 dB minimum (Output to Output)

RF Input Power +30 dBm average
+36 dBm (no damage)

Switching Speed 4 microseconds typical
(after command is received and processed)
(3 milliseconds typical 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

Remote Control RS-232 (Up to 115200 Baud)
Ethernet (DHCP, TCP, 10/100, up to 12 users)

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Remote Commands

Attenuator Control Commands:
 Atten, Set Path, Read Path, Set Attenuator, Set
 Attenuator with Response, Read Attenuator, Set
 All Attenuators, Read All Attenuators, Set
 Multiple Attenuator, Fade Attenuator, Variable
 Handover, Store, Recall,
 Block, Set Block, Read Block, Read All Block,
 Fade Block, Variable Block Handover

System Commands:
 Help, Identification, Pause, Net, Serial, Close,
 Disconnect, MOTD, Date, Message, IDENT, Name,
 Reboot, Restrict, Show Users, Uptime, Prompt

RF Connector

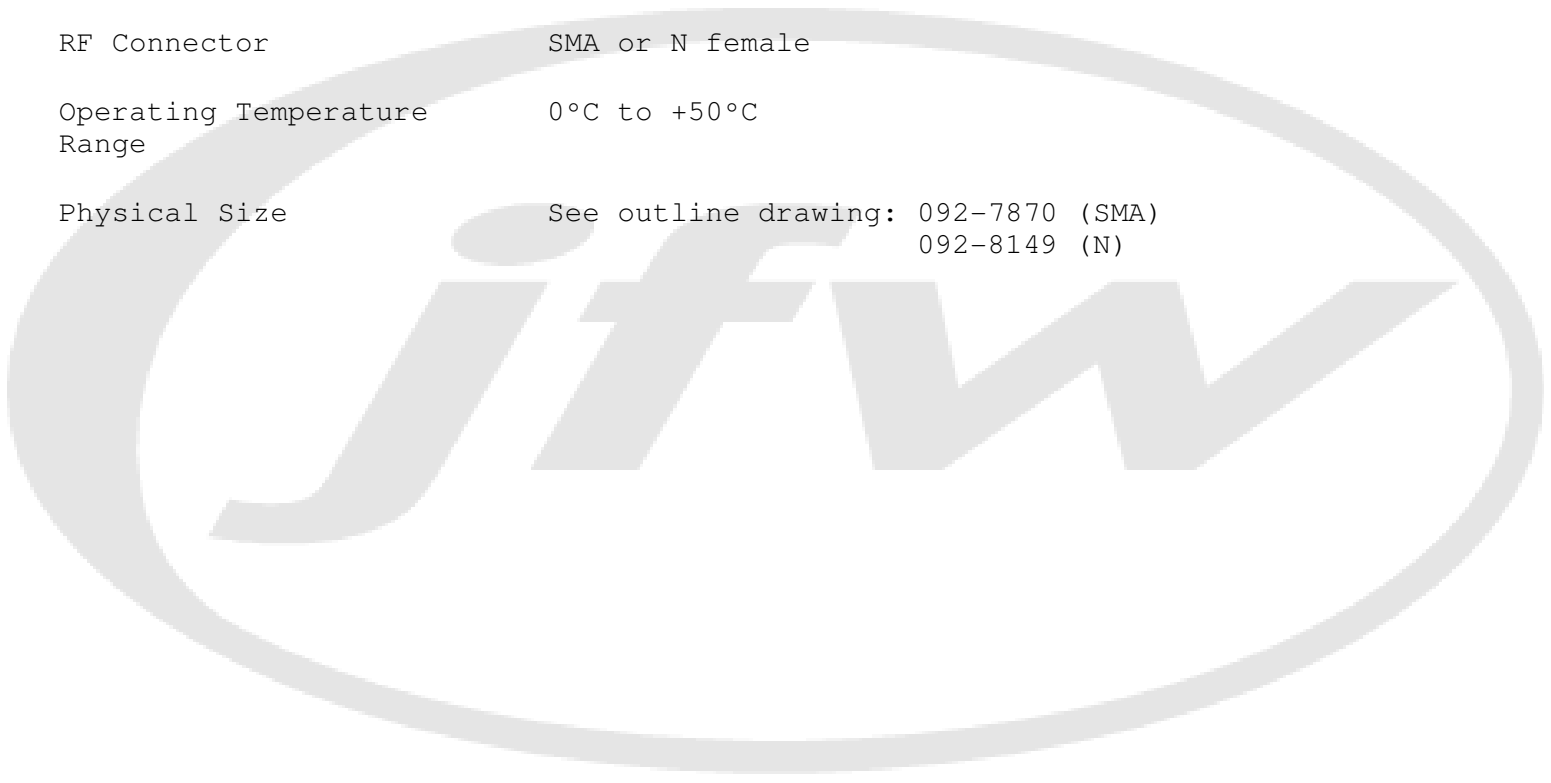
SMA or N female

Operating Temperature
 Range

0°C to +50°C

Physical Size

See outline drawing: 092-7870 (SMA)
 092-8149 (N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/14/2013		CLK 11/14/2013	28159	10/05/2017	C	CLK 10/05/2017
24239	10/28/2014	A	CLK 10/28/2014				
24670	11/04/2014	B	CLK 11/04/2014				