

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-643**  
**LC HANDOVER TEST SYSTEM**

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

Frequency Range	700-3000 MHz
Configuration	4 X 1 LC Handover Test System (See block diagram 092-6880)
Enclosure Type	Benchtop
Impedance	50 Ohms nominal
Attenuation Range	0-127 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	1.6:1 maximum
Attenuation Accuracy (guaranteed monotonic)	$\pm 0.7$ dB or 2% maximum $\pm 0.5$ dB or 2% typical
Insertion Loss	17 dB maximum 11.5 dB typical @ 700 MHz 14.5 dB typical @ 3000 MHz
Isolation	27 dB minimum (In 1-4 to In 1-4)
RF Input Power	+20 dBm average +25 dBm (no damage)
Switching Speed	5 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 (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

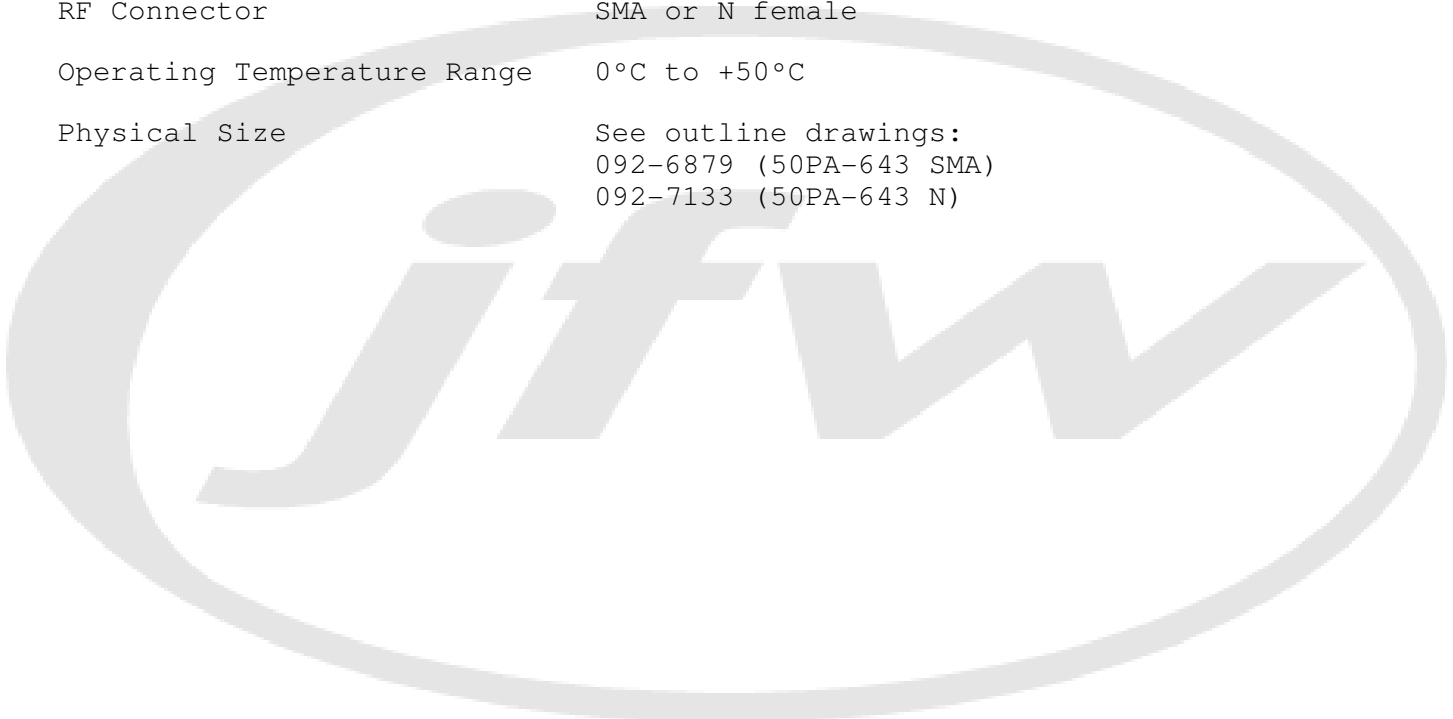
SMA or N female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawings:  
 092-6879 (50PA-643 SMA)  
 092-7133 (50PA-643 N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/24/2011		CLK 02/24/2011				
20294	07/07/2011	A	CLK 07/07/2011				
20842	11/03/2011	B	CLK 11/03/2011				