

SPECIFICATION SHEET

JFW MODEL 50PA-665

PROGRAMMABLE ATTENUATOR ASSEMBLY

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Frequency Range	DC-18 GHz
Configuration	Two individually controlled relay programmable attenuators
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	50 Ohms nominal
Attenuation Range	0-81 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 4, 10, 20, and 40 dB
Attenuation Repeatability (each individual cell)	± 0.01 dB typical after 5 millions cycles
Individual Cell Accuracy	1 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 2 dB ± 0.3 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 4 dB ± 0.4 dB DC-12.4 GHz ± 0.7 dB 12.4-18 GHz 10 dB ± 0.5 dB DC-12.4 GHz ± 0.6 dB 12.4-18 GHz 20 dB ± 0.7 dB DC-12.4 GHz ± 0.8 dB 12.4-18 GHz 40 dB ± 1.2 dB DC-12.4 GHz ± 1.6 dB 12.4-18 GHz
Startup/Default States (configurable)	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command)
VSWR	1.3:1 typical DC-8 GHz 1.5:1 typical 8-12.4 GHz 1.8:1 typical 12.4-18 GHz
Insertion Loss	2.1 dB typical @ 4 GHz 2.8 dB typical @ 8 GHz 4.7 dB typical @ 18 GHz
Input Power	1 Watt average
Peak Power	100 Watts (5 microsecond pulse, 0.1% duty cycle)
Switching Speed	20 milliseconds

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