Frequency Range: 100 MHz-40 GHz
Attenuation Range: 0-62 dB in 1 dB steps
Configuration: Individually controlled solid-state programmable attenuators. Number of attenuators can be selected from 1 to 16 attenuators.
Enclosure Type: 19 inch rack mount
2RU high (for 1-16 attenuators)
Impedance: 50 Ohms nominal
Startup/Default States (configurable): Attenuators to 62dB 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: 1.6:1 typical 100 MHz-18 GHz 1.8:1 typical 18-26.5 GHz 2.2:1 typical 26.5-40 GHz 2.8:1 maximum 100 MHz-40 GHz
Attenuation Accuracy (Referenced to Insertion loss): 0-31dB ± 1.0 dB typical 100 MHz-18 GHz ± 1.5 dB typical 18-26.5 GHz ± 2.0 dB typical 26.5-40 GHz ± 3.5 dB maximum 100 MHz-40 GHz 31-48dB ± 2.0 dB typical 100 MHz-18 GHz ± 2.0 dB typical 18-26.5 GHz ± 4.0 dB typical 26.5-40 GHz ± 5.0 dB maximum 100 MHz-40 GHz 49-62dB ± 3.0 dB typical 100 MHz-18 GHz ± 3.0 dB typical 18-26.5 GHz ± 4.0 dB typical 26.5-40 GHz ± 8.0 dB maximum 100 MHz-40 GHz
Insertion Loss: 4.0 dB typical @ 100 MHz 5.5 dB typical @ 3 GHz 8.0 dB typical @ 8 GHz 11.5 dB typical @ 18 GHz 15.0 dB typical @ 26.5 GHz 18.0 dB typical @ 40 GHz
RF Input Power: +20 dBm average +25 dBm (0.1 dB compression) Warning: DC voltage not allowed on RF connections

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Switching Speed 1 microsecond 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)

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 2.92mm female

Operating Temperature Range 0°C to +50°C

AC Supply 100-240 VAC @ 47-63 Hz

Physical Size See Outline Drawing 092-8602

Future Expansion If your testing needs change, you can have your 50PA-
1019-XX upgraded to have additional attenuators. This
model is designed to control up to a maximum of 16
attenuators.