

SPECIFICATION SHEET
JFW MODEL 50PDA-270-XX
POWER DIVIDER ASSEMBLY

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Configuration Panel mounted 2-Way power divider/combiner
 (divider ports are front facing)
 (combiner ports are rear facing)

Number of 2-Way's The number of 2-Way can be selected from 1 to 16

50PDA-270-04 SMA (four 2-Way)
 50PDA-270-08 SMA (eight 2-Way)
 50PDA-270-16 SMA (sixteen 2-Way)

Panel Type 19 inch rack mount @ 1RU high

Frequency Range 350-6000 MHz

Impedance 50 Ohms nominal

VSWR 1.5:1 maximum
 < 1.3:1 typical (divider port)
 < 1.2:1 typical (combiner ports)

Insertion Loss (above 3 dB split) 0.9 dB maximum
 0.14 dB typical @ 350 MHz
 0.53 dB typical @ 6000 MHz

Amplitude Tracking ± 0.35 dB maximum
 ± 0.04 dB typical

Phase Tracking ± 5.0° maximum
 ± 0.3° typical

Isolation 15 dB minimum 350-500 MHz
 18 dB minimum 500-6000 MHz

17 dB typical @ 350 MHz
 20 dB typical @ 400 MHz
 23 dB typical @ > 400 MHz

RF Input Power 10 Watts average (divider port)
 0.25 Watts average (combiner ports)

Temperature Range -40°C to +85°C (operating)
 -55°C to +125°C (storage)

RF Connector SMA female

Outline Drawing Numbers 092-10362-02 (50PDA-270-02 SMA)
 092-10362-03 (50PDA-270-03 SMA)
 092-10362-04 (50PDA-270-04 SMA)
 092-10362-08 (50PDA-270-08 SMA)
 092-10362-10 (50PDA-270-10 SMA)
 092-10362-12 (50PDA-270-12 SMA)
 092-10362-16 (50PDA-270-16 SMA)

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