

**SPECIFICATION SHEET**  
**JFW MODEL 50PDA-271-XX**  
**POWER DIVIDER ASSEMBLY**

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Configuration Panel mounted 4-Way power divider/combiner  
 (divider ports are front facing)  
 (combiner ports are rear facing)

Number of 4-Way's The number of 4-Way can be selected from 1 to 8

50PDA-271-02 SMA (two 4-Way)  
 50PDA-271-04 SMA (four 4-Way)  
 50PDA-271-06 SMA (six 4-Way)  
 50PDA-271-08 SMA (eight 4-Way)

Panel Type 19 inch rack mount @ 1RU high

Frequency Range 350-6000 MHz

Impedance 50 Ohms nominal

VSWR 1.8:1 maximum 350-500 MHz  
 1.6:1 maximum 500-6000 MHz  
 1.5:1 typical 350-500 MHz (divider port)  
 1.3:1 typical 500-6000 MHz (divider port)  
 1.2:1 typical 350-6000 MHz (combiner ports)

Insertion Loss (above 6 dB split) 2.2 dB maximum  
 0.4 dB typical @ 350 MHz  
 1.2 dB typical @ 6000 MHz

Amplitude Tracking ± 0.6 dB maximum  
 ± 0.1 dB typical

Phase Tracking ± 6° maximum  
 ± 1° typical

Isolation 10 dB minimum 350-500 MHz  
 18 dB minimum 500-6000 MHz  
 11.5 dB typical @ 350 MHz  
 14.0 dB typical @ 400 MHz  
 19.6 dB typical @ 500 MHz  
 23.0 dB typical @ > 500 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 092-10363-02 (50PDA-271-02 SMA)  
 092-10363-03 (50PDA-271-03 SMA)  
 092-10363-04 (50PDA-271-04 SMA)  
 092-10363-06 (50PDA-271-06 SMA)  
 092-10363-08 (50PDA-271-08 SMA)

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