

# Power Divider, Wilkinson

## 4-Way, SMA, Up to 18 GHz, 10 Watts

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### SPECIFICATIONS:

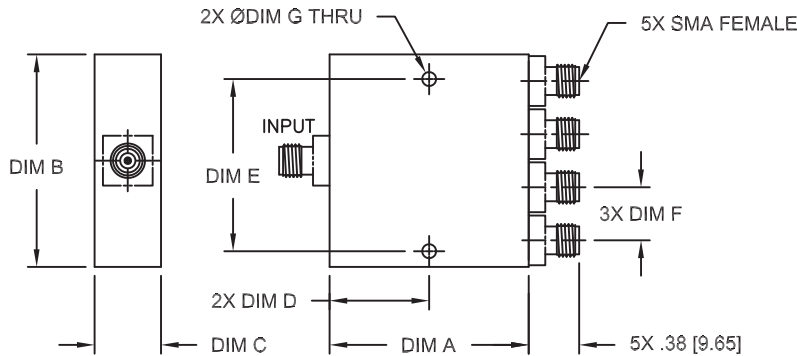
MODELS: PD0001-S4, PD0102-S4, PD0002-S4, PD0204-S4, PD0208-S4

<b>Electrical: (See Table Below)</b>	
Frequency Range _____	Octave Range (See Below)
Input Power _____	10 Watts Avg. @ 25°C (For Load Mismatch of 2:1 Max.)
Impedance _____	50 Ohms
Operating Temp. Range _____	-55°C to +85°C
<b>Mechanical:</b>	
SMA Connectors _____	Passivated Stainless Steel (Mates with MIL-STD-348)
Conductors _____	Gold Plated Beryllium Copper
Housing _____	Aluminum, Painted Blue

Model	Frequency (GHz)	Isolation (dB) Min	Insertion Loss (dB) Max*	Amplitude Balance (dB) Max	Phase Balance (°) Max	VSWR Max
PD0001-S4	0.5 - 1.0	20	0.40	0.20	4	1.20:1
PD0102-S4	1.0 - 2.0	20	0.60	0.20	4	1.25:1
PD0002-S4	0.8 - 2.5	20	0.70	0.30	4	1.30:1
PD0204-S4	2.0 - 4.0	18	0.60	0.60	6	1.30:1
PD0208-S4	2.0 - 8.0	18	1.00	0.50	4	1.35:1
PD0218-S4	2.0 - 18.0	15	1.50	0.60	6	1.50:1

\*Above Splitter Insertion Loss

FIGURE 1



Model	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
PD0001-S4	3.40 [86.4]	3.60 [91.4]	0.50 [12.7]	1.70 [43.2]	3.40 [86.4]	1.00 [25.4]	.105 [2.67]
PD0102-S4	2.50 [63.5]	2.75 [69.9]	0.38 [9.65]	1.25 [31.8]	2.50 [63.5]	0.69 [17.5]	.105 [2.67]
PD0002-S4	3.00 [76.2]	2.50 [63.5]	0.50 [12.7]	1.50 [38.1]	2.25 [57.2]	0.50 [12.7]	.105 [2.67]
PD0204-S4	2.20 [55.9]	2.65 [67.3]	0.50 [12.7]	1.10 [27.9]	2.45 [62.2]	0.65 [16.5]	.105 [2.67]
PD0208-S4	2.75 [69.9]	3.50 [88.9]	0.50 [12.7]	1.38 [35.1]	3.30 [83.8]	1.00 [25.4]	.105 [2.67]
PD0218-S4	2.85 [72.4]	2.00 [50.8]	0.38 [9.65]	1.425 [36.2]	1.70 [43.2]	.50 [12.7]	.105 [2.67]

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.  
Design specifications are subject to change without notice.  
Contact factory for technical specifications before purchasing or use.

PDXXXX-S4; REV E

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