

Power Dividers

50 Years of
Excellence

0.5-26.5 GHz

Octave Band 2- and 4-Way
SMA Power Dividers

- Operation to 26.5 GHz
- Excellent Phase and Amplitude Tracking
- High Isolation Between Output Ports
- Small Size
- Operational Temperature Range:
-55° to +85°C



Specifications

FREQUENCY RANGE GHz	MODEL	Input	VSWR Output (max)	INSERTION LOSS (max)	ISOLATION dB (min)	AMP BAL dB (max)	PHASE BAL Degrees (max)	AVERAGE* POWER Watts			WEIGHT	
								A	B	C	oz	gr
0.5-1.0	4311B-2	1.25	1.15	0.4	22	0.2	2.0	30	20	3	1.1	30
1-2	4312B-2	1.25	1.15	0.35	20	0.2	2.0	30	20	3	0.9	23
2-4	4313B-2	1.30	1.20	0.4	20	0.2	2.0	30	20	3	0.8	20
4-8	4314B-2	1.35	1.25	0.6	20	0.2	2.0	30	20	3	0.8	20
8-12.4	4315-2	1.35	1.30	0.5	20	0.2	3.0	30	10	1	0.8	20
12-18	4316-2	1.40	1.35	0.7	19	0.3	6.0	30	10	1	0.8	20
18-26.5	4317C-2	2.00	2.00	1.0	15	0.5	12.0	30	10	1	0.8	22

2-Way Power Dividers

4-Way Power Dividers

0.5-1.0	4311C-4	1.45	1.30	0.9	22	0.3	3.0	30	10	1	2.9	80
1-2	4312C-4	1.40	1.25	0.8	20	0.3	3.0	30	10	3	2.0	56
2-4	4313C-4	1.35	1.35	0.6	20	0.3	3.0	30	10	1	2.0	56
4-8	4314B-4	1.45	1.35	0.5	20	0.3	3.0	30	20	3	2.7	75
8-12.4	4315-4	1.45	1.35	0.8	18	0.4	4.0	30	10	1	2.2	60
12-18	4316-4	1.5	1.4	1.5	18	0.5	6.0	30	10	1	2.2	60

*Average Power Rating into a load VSWR of (A) 1.2 to 1, (B) 2 to 1 and (C) ∞VSWR

NOTE: (1) Connectors: All models provided with SMA (Female) connectors except Model 4317C-2 which uses 2.92 mm (Female)

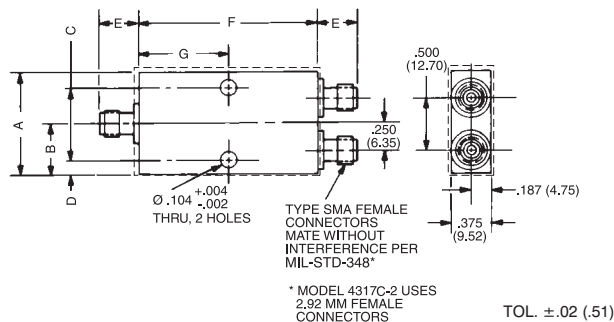


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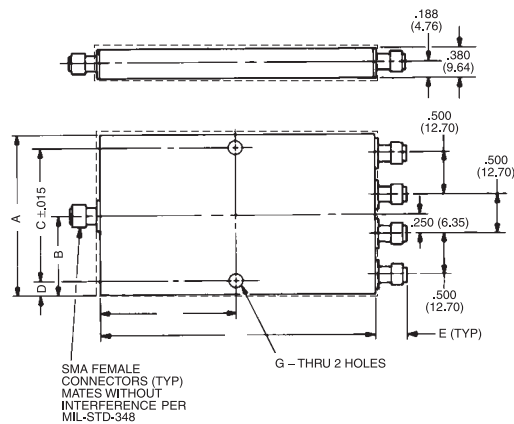
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Outline Drawings



OCTAVE 2-WAY POWER DIVIDERS

MODEL	A	B	C ±.015	D	E	F	G
4311B-2	1.338 (33.98)	.669 (16.99)	1.146 (29.11)	.096 (2.44)	.375 (9.52)	1.204 (30.58)	.602 (15.29)
4312B-2	1.260 (32.00)	.630 (16.00)	1.068 (27.13)	.096 (2.44)	.375 (9.52)	.875 (22.22)	.437 (11.10)
4313B-2	1.010 (25.65)	.505 (12.83)	.818 (20.78)	.096 (2.44)	.375 (9.52)	.875 (22.22)	.437 (11.10)
4314B-2	1.010 (25.65)	.505 (12.83)	.818 (20.78)	.096 (2.44)	.375 (9.52)	.875 (22.22)	.437 (11.10)
4315-2	1.000 (25.40)	.500 (12.70)	.812 (20.62)	.094 (2.39)	.375 (9.52)	.750 (19.05)	.375 (9.52)
4316-2	1.000 (25.40)	.500 (12.70)	.818 (20.78)	.094 (2.39)	.375 (9.52)	.750 (19.05)	.375 (9.52)
4317C-2	1.000 (25.40)	.500 (12.70)	.812 (20.62)	.094 (2.39)	.375 (9.52)	.600 (15.24)	.300 (7.62)



OCTAVE 4-WAY POWER DIVIDERS

MODEL	A	B	C	D	E	F	G	H
4311C-4	2.343 (59.51)	1.171 (29.74)	2.153 (54.68)	.095 (2.41)	.375 (9.52)	2.111 (53.62)	.104 ^{+0.004} _{-.002}	1.055 (26.79)
4312C-4	2.260 (57.40)	1.130 (28.70)	2.070 (52.57)	.095 (2.41)	.375 (9.52)	1.439 (36.55)	.104 ^{+0.004} _{-.002}	.719 (18.26)
4313C-4	2.260 (57.40)	1.130 (28.70)	2.070 (52.57)	.095 (2.41)	.375 (9.52)	1.439 (36.55)	.104 ^{+0.004} _{-.002}	.719 (18.26)
4314B-4	2.260 (57.40)	1.130 (28.70)	2.070 (52.57)	.095 (2.41)	.375 (9.52)	1.500 (38.10)	.104 ^{+0.004} _{-.002}	.750 (19.05)
4315-4	1.940 (49.27)	.970 (24.63)	1.688 (42.87)	.126 (3.20)	.375 (9.52)	1.418 (36.01)	.146	.709 (18.00)
4316-4	1.940 (49.27)	.970 (24.63)	1.688 (42.87)	.126 (3.20)	.375 (9.52)	1.418 (36.01)	.146	.709 (18.00)

Allow .020 for sealant buildup per surface.

Dimensions in parentheses are in millimeters and are for reference only.

