

Power Dividers and Hybrids

Adapters Attenuators Couplers DC Blocks Detectors Isolators & Circulators Phase Shifters **Power Dividers and Hybrids** Terminations (50 Ohm Loads) Waveguide

SMA (F) and 2.92mm (F) 4-Way 0.5 to 26.5 GHz 30 Watt (Octave Band)



Features

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

Models

- 4311C-4, 4312C-4, 4313C-4, 4314B-4, 4315-4, 4316-4

Model	4311C-4	4312C-4	4313C-4
Low Frequency (GHz)	0.5	1.0	2.0
High Frequency (GHz)	1.0	2.0	4.0
VSWR Input (max)	1.45:1	1.40:1	1.35:1
VSWR Output (max)	1.30:1	1.25:1	1.35:1
Insertion Loss (max)	0.9	0.8	0.6
Isolation dB (min)	22	20	20
Amplitude Balance (max dB)	0.3	0.3	0.3
Phase Balance (Max in Deg.)	3.0	3.0	3.0
Avg. Power in Watts (A)	30	30	30
Avg. Power in Watts (B)	10	10	10
Avg. Power in Watts (C)	1	3	1
Connector Type	Type SMA Female	Type SMA Female	Type SMA Female
Maximum Weight (gr)	80	56	56
Maximum Weight (oz)	2.9	2.0	2.0
Special Notes:	A	A	A

Special Notes:

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

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Model	4314B-4	4315-4	4316-4
Low Frequency (GHz)	4.0	8.0	12.0
High Frequency (GHz)	8.0	12.4	18.0
VSWR Input (max)	1.45:1	1.45:1	1.5:1
VSWR Output (max)	1.35:1	1.35:1	1.4:1
Insertion Loss (max)	0.5	0.8	1.5
Isolation dB (min)	20	18	18
Amplitude Balance (max dB)	0.3	0.4	0.5
Phase Balance (Max in Deg.)	3.0	4.0	6.0
Avg. Power in Watts (A)	30	30	30
Avg. Power in Watts (B)	20	10	10
Avg. Power in Watts (C)	3	1	1
Connector Type	2.92 mm Female	Type SMA Female	Type SMA Female
Maximum Weight (gr)	75	2.2	60
Maximum Weight (oz)	2.7	60	2.2
Special Notes:	A	A	A

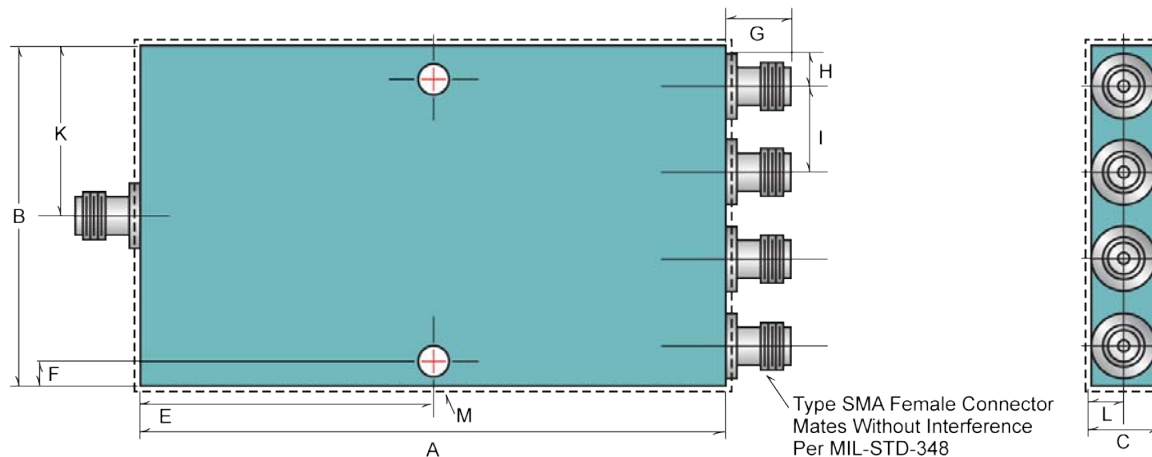
Special Notes:

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

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Outline Drawings For Models : 4311C-4, 4312C-4, 4313C-4, 4314B-4, 4315-4, 4316-4

Units	A	B	C	E	F	G	H	I	K	L	M (Dia.)
4311C-4											
in.	2.11	2.34	0.38	1.06	0.10	0.38	0.42	0.50	1.17	0.19	0.10
mm	53.59	59.44	9.65	26.92	2.54	9.65	10.67	12.70	29.72	4.83	2.54
4312C-4											
in.	1.44	2.26	0.38	0.72	0.10	0.38	0.38	0.50	1.13	0.19	0.10
mm	36.58	57.40	9.65	18.29	2.54	9.65	9.65	12.7	28.70	4.83	2.54
4313C-4											
in.	1.44	2.26	0.38	0.72	0.10	0.38	0.38	0.19	1.13	0.19	0.10
mm	36.58	57.40	9.65	18.29	2.54	9.65	9.65	4.83	28.70	4.83	2.54
4314B-4											
in.	1.50	2.26	0.38	0.75	0.10	0.38	0.38	0.50	1.13	0.19	0.10
mm	38.10	57.40	9.65	19.05	2.54	9.65	9.65	12.7	28.70	4.83	2.54
4315-4, 4316-4											
in.	1.42	1.94	0.38	0.71	0.126	0.38	0.22	0.50	0.97	0.19	0.15
mm	36.07	49.28	9.65	18.03	3.200	9.65	5.59	12.7	24.64	4.83	3.81

Notes:

Dimensions are nominal and for reference only. Add .020 for sealant build up per surface. Contact the factory for detailed specifications and outline drawing. All mounting holes are thru unless otherwise specified.