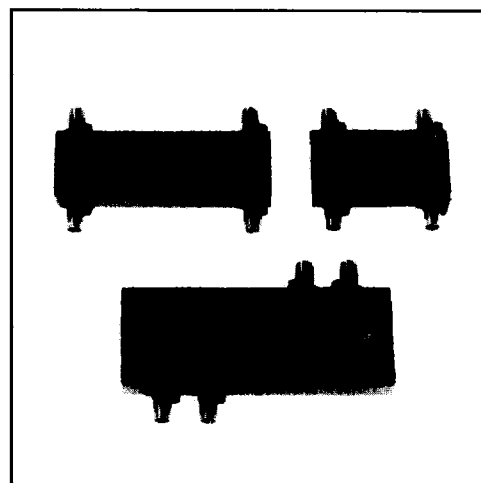


2-18 GHz

SMA MULTI-OCTAVE 90° and 180° HYBRIDS

- Smallest Size and Weight
- Multi-Octave Bandwidth
- Excellent Phase Balance
- Low VSWR
- High Isolation
- Rigid Construction Resists Shock and Vibration
- Operational to 105°C without degradation (125°C Storage)



SPECIFICATIONS

90° Hybrids

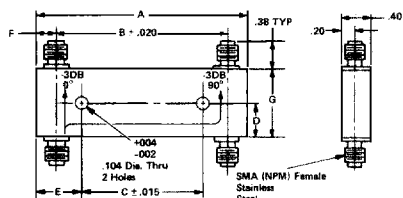
FREQUENCY RANGE GHz	MODEL	COUPLING (Nominal) dB	VSWR (Max)	INSERTION LOSS (Max)	ISOLATION dB (Min)	AMP BAL dB	PHASE BAL Degrees	POWER Avg Watts	Peak kW	WEIGHT Oz Gr
2-8	4333	3	1.30	0.75dB	17	±0.50	±5	30	3	2.7 75
4-12.4	4334	3	1.30	1.0dB	17	±0.50	±5	20	2	1.5 43
6-18	4336	3	1.50	0.85dB	14	±0.70	±6	30	5	1.0 28

180° Hybrids

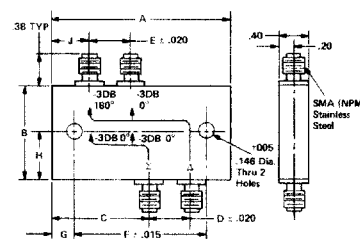
FREQUENCY RANGE GHz	MODEL	COUPLING (Nominal) dB	VSWR (Max)	INSERTION LOSS (Max)	ISOLATION dB (Min)	AMP BAL dB	PHASE BAL Degrees	POWER Avg Watts	Peak kW	WEIGHT Oz Gr
2-8	4343	3	1.50	1.30dB	17	±0.50	±10	30	3	2.2 62

See page 94 for Models 4346 and 4356B

OUTLINE DRAWINGS



MODEL	A	B	C	D	E	F	G
4333	2.71	2.205	1.561	.44	.58	.25	.86
4334	1.72	1.223	.578	.44	.58	.25	.86
4336	1.25	.805	.375	.41	.44	.23	.80



MODEL	A	B	C	D	E	F	G	H	J
4343	3.20	1.16	2.20	.531	.531	2.578	.32	.58	.48

All dimensions are Max unless otherwise specified.