

# Power Dividers and Hybrids



## 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

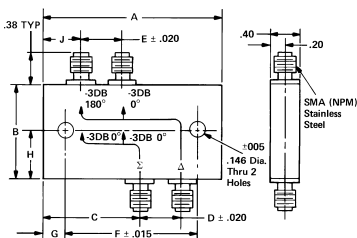
FREQUENCY RANGE GHz	MODEL	COUPLING (Nominal) dB	VSWR (Max)	INSERTION LOSS (Max)	ISOLATION dB (Min)	AMP BAL dB	PHASE BAL Degrees	POWER		WEIGHT	
								Avg Watts	Peak kW	Oz	Gr
2-8	4333	3	1.30	0.75 dB	17	±0.50	±5	30	3	2.7	75
4-12.4	4334	3	1.30	1.0 dB	17	±0.50	±5	20	2	1.5	43
6-18	4336	3	1.50	0.85 dB	14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

### 180° Hybrids

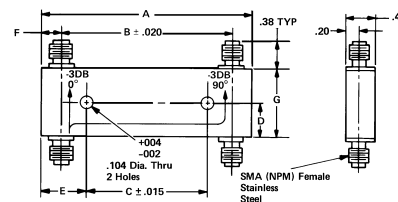
FREQUENCY RANGE GHz	MODEL	COUPLING (Nominal) dB	VSWR (Max)	INSERTION LOSS (Max)	ISOLATION dB (Min)	AMP BAL dB	PHASE BAL Degrees	POWER		WEIGHT	
								Avg Watts	Peak kW	Oz	Gr
2-8	4343	3	1.50	1.30 dB	17	±0.50	±10	30	3	2.2	62

See page 273 for Models 4346 and 4356B.

## OUTLINE DRAWINGS



All dimensions are Max unless otherwise specified.



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

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