

Couplers

50 Years of
Excellence

.5-18 GHz

SMA Maximally Flat
Miniature Stripline
Coaxial Couplers

- Multi-Octave Frequency Coverage from 0.5 to 18 GHz
- Flat Frequency Response
- Small, Lightweight
- Operational to 105°C without Degradation (125°C storage)
- Designed for MIL Environments



SPECIFICATIONS

FREQUENCY RANGE GHz	MODEL	NOMINAL COUPLING dB	DIRECTIVITY dB (min)	INSERTION LOSS EXCLUDING COUPLED POWER	TRUE	VSWR		FREQUENCY SENSITIVITY* dB (max)	MAXIMUM DEVIATION from NOMINAL dB	POWER		WEIGHT	
						PRIMARY LINE (max)	SECONDARY LINE (max)			AVG. Watts	PEAK kW	(Max) oz	gr
0.5-2	4242	6	22	0.35	2.00	1.20	1.20	±0.5	±1.0	50	3	2.5	71
		10	22	0.35	0.90	1.20	1.20	±0.5	±1.0	50	3	2.5	71
		20	22	0.35	0.40	1.20	1.20	±0.5	±1.0	50	3	2.5	71
1-3.5	4243	6	20	0.35	2.00	1.20	1.20	±0.3	±1.0	50	3	1.5	41
		4243B	10	0.35	0.90	1.20	1.20	±0.3	±1.0	50	3	1.5	41
		4243	20	0.35	0.40	1.20	1.20	±0.4	±1.0	50	3	1.5	41
2-8	4244	6	20	0.50	2.20	1.30	1.30	±0.4	±1.0	50	3	1	29
		10	20	0.35	0.90	1.25	1.25	±0.5	±1.0	50	3	1	29
		20	20	0.35	0.40	1.25	1.25	±0.4	±1.0	50	3	1	29
		30	20	0.40	0.40	1.25	1.25	±0.5	±1.0	50	3	1.3	35
4-12.4	4245B	6**	16	0.50	2.20	1.30	1.30	±0.4	±1.0	50	3	0.7	21
		10	16	0.50	1.20	1.30	1.30	±0.4	±1.0	50	3	0.7	21
		20	15	0.50	0.60	1.30	1.30	±0.5	±1.0	50	3	0.8	24
		30**	15	0.50	0.50	1.30	1.30	±0.5	±1.0	50	3	0.8	24
6-18	4246B	6	15	0.80	2.50	1.40	1.40	±0.5	±1.0	50	3	0.9	25
		10	15	0.60	1.20	1.40	1.40	±0.5	±1.0	50	3	0.9	25
		20	12	0.60	0.70	1.40	1.40	±0.5	±1.0	50	3	0.9	25
		30	12	0.60	0.60	1.40	1.40	±0.5	±1.0	50	3	0.9	25

*Frequency Sensitivity **included** in coupling value.

** Special-order devices. Minimum quantity may apply.

All connectors are SMA type.

ORDERING INFORMATION: Specify model number and add dash number suffix for nominal coupling in dB.
For example: 4242-10



narda

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