

# CSM-M-G SERIES - DIRECTIONAL COUPLERS

## TECHNICAL FEATURE

### FEATURES

- 0.5 to 18 GHz
- Octave Bands
- 50 W
- 6, 10, 20 & 30 dB Coupling
- Low Cost Stripline
- SMA

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, GHz	Coupling <sup>a</sup> , dB, Nom.	Frequency Sensitivity, dB, Max.	Directivity, dB, Min.	*Insertion Loss, dB, Max.	VSWR, Max., Main Line	VSWR, Max., Coupled Line	Outline Ref. Dim.
CSM-6M-.75G	0.5 - 1.0	6 ±1.0	±0.60	25	0.20	1.15:1	1.15:1	1
CSM-10M-.75G		10 ±1.25	±0.75	25	0.20	1.10:1	1.10:1	1
CSM-20M-.75G		20 ±1.25	±0.75	25	0.15	1.10:1	1.10:1	1
CSM-30M-.75G		30 ±1.25	±0.75	25	0.15	1.10:1	1.10:1	2
CSM-6M-1.5G	1.0 - 2.0	6 ±1.0	±0.60	25	0.20	1.15:1	1.15:1	3
CSM-10M-1.5G		10 ±1.25	±0.75	25	0.20	1.10:1	1.10:1	3
CSM-20M-1.5G		20 ±1.25	±0.75	25	0.20	1.10:1	1.10:1	3
CSM-30M-1.5G		30 ±1.25	±0.75	25	0.20	1.10:1	1.10:1	4
CSM-6M-3G	2.0 - 4.0	6 ±1.0	±0.60	22	0.20	1.15:1	1.15:1	5
CSM-10M-3G		10 ±1.25	±0.75	22	0.20	1.15:1	1.15:1	5
CSM-20M-3G		20 ±1.25	±0.75	22	0.20	1.15:1	1.15:1	5
CSM-30M-3G		30 ±1.25	±0.75	22	0.20	1.15:1	1.15:1	6
CSM-6M-4G	2.6 - 5.2	6 ±1.0	±0.60	20	0.25	1.25:1	1.25:1	7
CSM-10M-4G		10 ±1.25	±0.75	20	0.25	1.25:1	1.25:1	7
CSM-20M-4G		20 ±1.25	±0.75	20	0.25	1.25:1	1.25:1	7
CSM-6M-6G	4.0 - 8.0	6 ±1.0	±0.60	20	0.25	1.25:1	1.25:1	7
CSM-10M-6G		10 ±1.25	±0.75	20	0.25	1.25:1	1.25:1	7
CSM-20M-6G		20 ±1.25	±0.75	20	0.25	1.25:1	1.25:1	7
CSM-6M-10G	7 - 12.4	6 ±1.0	±0.50	17	0.30	1.30:1	1.30:1	7
CSM-10M-10G		10 ±1.0	±0.50	17	0.30	1.30:1	1.30:1	7
CSM-20M-10G		20 ±1.0	±0.50	17	0.30	1.30:1	1.30:1	7
CSM-30M-10G		30 ±1.0	±0.50	17	0.30	1.30:1	1.30:1	8
CSM-6M-12G	7.5 - 16	6 ±1.0	±0.60	12	0.60	1.35:1	1.40:1	7
CSM-10M-12G		10 ±1.25	±0.75	12	0.60	1.35:1	1.40:1	7
CSM-20M-12G		20 ±1.25	±0.75	15	0.50	1.35:1	1.40:1	9
CSM-30M-12G		30 ±1.25	±0.75	15	0.50	1.35:1	1.40:1	9
CSM-6M-15G	12.4 - 18	6 ±1.0	±0.50	15	0.60	1.30:1	1.40:1	7
CSM-10M-15G		10 ±1.0	±0.50	15	0.60	1.30:1	1.40:1	7
CSM-20M-15G		20 ±1.0	±0.50	15	0.50	1.30:1	1.40:1	9
CSM-30M-15G		30 ±1.0	±0.50	15	0.50	1.30:1	1.40:1	9

<sup>a</sup>Coupling is referenced to the input

\*Insertion loss is over and above coupling "loss"

