



**C SERIES**

**FEATURES**

- Up to 18:1 Bandwidth with Flat Coupling
- Models From 1 to 18 Ghz
- SMA Connectors
- Meet MIL-E-5400 Class 3 or Equivalent
- Screenable to MIL-C-15370 or Equivalent

**SPECIFICATIONS**

Frequency (GHz)	Coupling (dB)	Flatness <sup>2</sup> (dB)	VSWR <sup>2</sup> max	Loss <sup>3</sup> max (dB)	Directivity (dB)		Model Number
					to 12.4 GHz	12.4 to 18 GHz	
1-12.4	6 ± 1	± .5	1.30/1.40	.9	20	—	C112-6
1-12.4	10 ± 1	± .4	1.30/1.40	.7	20	—	C112-10
1-12.4	16 ± 1 <sup>1</sup>	± .4	1.30/1.40	.7	20	—	C112-16
1-12.4	20 ± 1	± .4	1.30/1.40	.7	20	—	C112-20
1-18	6 ± 1	± .5	1.40/1.50	1.2	15	12	C118-6
1-18	10 ± 1	± .5	1.40/1.50	1.0	15	12	C118-10
1-18	16 ± 1 <sup>1</sup>	± .5	1.40/1.50	.8	15	12	C118-16
1-18	20 ± 1	± .5	1.40/1.50	.8	15	12	C118-20
2-18	6 ± 1	± .5	1.35/1.45	1.0	20	17	C218-6
2-18	10 ± 1	± .5	1.35/1.45	.8	20	17	C218-10
2-18	16 ± 1 <sup>1</sup>	± .4	1.35/1.45	.6	20	17	C218-16
2-18	20 ± 1	± .4	1.35/1.45	.5	20	17	C218-20
.5-18	10 ± 1	± .8	1.40/1.40	1.2	20	15	C0518-10

**Power Handling:**

Average incident 100 W at 1 GHz  
Peak is 1.5 kW

Average reflected Coupling	(W)
-6	2
-10	5
-20	25
-30	25

Peak is 1.5 kW

**NOTES:**

1. Referenced to the main line output port for use as a leveling coupler.
2. Flatness specifies the maximum coupling variation within the coupling range
3. Loss is the actual dissipated and reflected loss. It does NOT include coupling loss.



