



COAXIAL COUPLERS SINGLE AND DUAL DIRECTIONAL C160 SERIES C200 SERIES

**DATA
SHEET
No. T98**

- HIGH POWER
- BROAD BANDWIDTH
- FLAT COUPLING

DESCRIPTION

MEC Ultra-Flat Directional Couplers are compact, in-line devices with flat coupling over multi octave bands.

The coupling response can be finely tailored to yield best flatness, directivity, unit-to-unit tracking, making these versatile couplers useful for system and laboratory applications.



SPECIFICATIONS

Directivity: 15dB min., 17dB typ
 Coupling: 30 to 60dB
 Coupling Mean: ± 1.0 dB
 Flatness: ± 2.5 dB Peak to peak max

VSWR: Main Line 1.35:1 typical
 Coaxial Secondary 1.4 typical
 Insertion Loss: 0.30 dB max.
 Mounting: Fins all tapped standard 6-32

MODEL NO.	FREQUENCY RANGE (GHz)	POWER 3KW Peak	VSWR		COUPLING MEAN	FLATNESS	DIRECT.	DIMENSIONS			
			PRIMARY	SECOND.				A	B	C	D max.
EJ160-40-N-N	2-18GHz	500WCW	1.25 : 1	1.4 : 1	± 1.0 dB	2.5dB pk-pk	15dBMin.	4.0	2.10	0.81	2.50
EJ160-40-TM-T-N	2-18GHz	500WCW	1.35 : 1	1.4 : 1				4.0	2.10	0.81	2.50
EJ200-40-N-N	2-18GHz	500WCW	1.35 : 1	1.4 : 1				4.0	2.10	0.81	2.50
EG160-40-SC-3	2-8GHz	800WCW	1.35 : 1	1.4 : 1				4.0	2.10	0.81	2.50
DG160-40-SC-3	1-8GHz	800WCW	1.35 : 1	1.4 : 1				4.0	2.10	0.81	2.50

ORDERING INFORMATION

(1) Specify the following as a minimum:

- Frequency range
- Power level, CW, Peak and average
- Coupling level(s)
- In/Out and Coupled connectors

(2) Other connectors, lengths and direction of coupling available upon request.

