



COAXIAL DIRECTIONAL COUPLERS

C160 SERIES C200 SERIES

**DATA
SHEET
No. T98**

- SUPERIOR TRACKING
- BROAD BANDWIDTH
- SUPER-FLAT COUPLING

DESCRIPTION

MEC Ultra-Flat Directional Couplers are compact, in-line devices with extremely 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.

Material is aluminum. Finish is chromate conversion per MIL-C-5541, black high temperature epoxy paint.



SPECIFICATIONS

Bandwidth:	9:1	VSWR:	Main Line 1.35:1 typical Coaxial Secondary 1.4 typical
Directivity:	15dB min., 17dB typ	Insertion Loss	0.30 dB max.
Coupling:	30 to 60dB	Mounting:	Fins all tapped standard 6-32
Coupling Mean:	±1.0 dB		
Flatness:	±2.5 dB Peak to peak max		

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	±1.0dB	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
LG160-40-SC-3	1-8GHz	800WCW	1.35 : 1	1.4 : 1				4.0	2.10	0.81	2.50

ORDERING INFORMATION

(1) Add the following suffixes to the model number to specify coupling level, connector and frequency range:

(a) COUPLING LEVEL: Specify coupling desired between 30 & 60 dB.

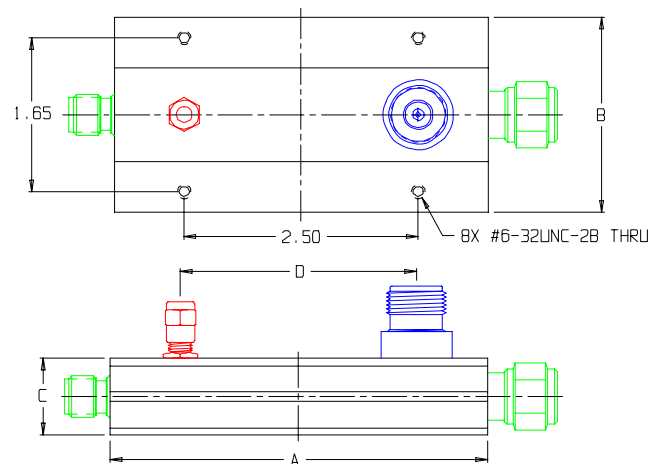
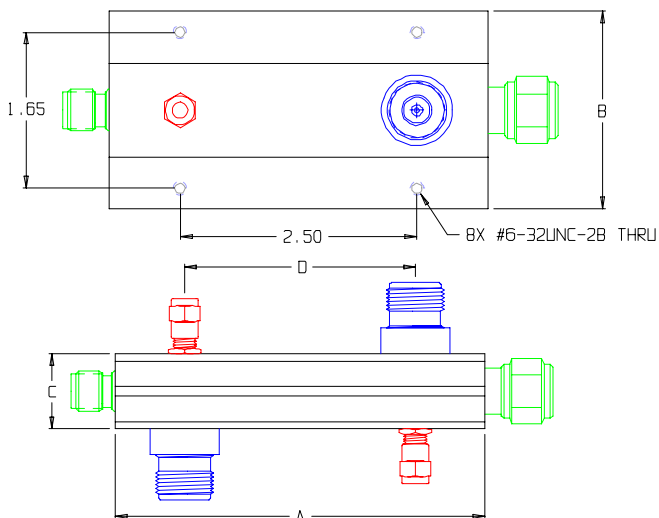
(b) COAXIAL OUTPUT: -N for type N female
-3 for 3mm Female
-3M for 3MM Male
-SC for SC Female

-NM for type N Male coax
-T for TNC Female
-TM for TNC Male
-SCM for SC Male

(c) Frequency: Specify frequency band numerically in GHz

(2) Other flanges, connectors, shorter lengths and direction of coupling available on request.

Example: EJ160-40-N-N



Data subject to change without notice



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