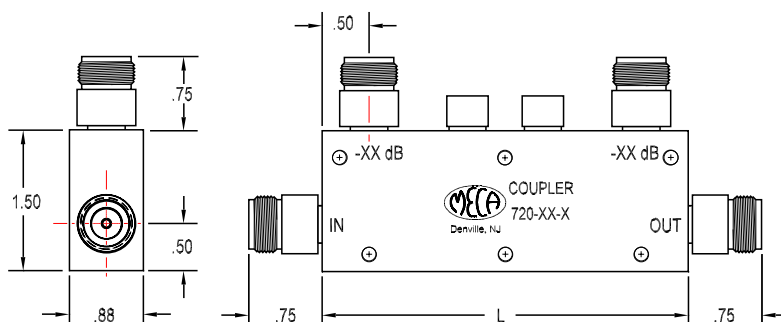




COUPLERS

Octave Band, Dual Directional, N-Female - 720 Series



ELECTRICAL SPECIFICATIONS

Impedance (Nom):	50 Ohms
Power (Peak):	10 kWatts
Coupling Value (dB):	10, 20, 30
Coupling Variation (Total):	± 1.0 dB
Tracking (Port-to-Port):	± 0.3 dB
Insertion Loss (Max):	0.2 dB

(excludes coupled power)

MECHANICAL SPECIFICATIONS

Connectors:	Brass, Nickel Plated
Pins:	BeCu, Gold Plated
Housing:	Aluminum, Yellow Iridited
Insulators:	Teflon, Virgin Elec. Grade
Temperature:	-65°C to +150°C

Catalog No.	Frequency (GHz)	VSWR (Max)	Directivity (Min) (dB)	L (Inches)
720-XX-1	0.250 - 0.500	1.15:1	30	20.20
720-XX-2	0.500 - 1.000	1.15:1	30	11.60
720-XX-3	1.000 - 2.000	1.20:1	30	7.70
720-XX-4	2.000 - 4.000	*1.20 - 1.25:1	*20 - 25	5.70
720-XX-5	4.000 - 8.000	*1.25 - 1.30:1	*18 - 20	4.75

	Forward			Reverse		
Coupling Value (dB)	10	20	30	10	20	30
Power Avg. (Watts)	100	500	500	25	250	500

* Specific VSWR and Directivity values, in this frequency range, depend on coupling. Consult factory for further information.

To order or specify, insert coupling value (10, 20 or 30 dB) in place of XX. Example: 720-20-3 for 20 dB coupler in 1-2 GHz frequency range.

MECA Electronics, Inc. 459 East Main Street Denville, New Jersey 07834
Phone: (973) 625 - 0661 • Fax: (973) 625 - 1258 • Internet: www.mecaelectronics.com