

SMA

COUPLERS, DUAL DIRECTIONAL

0.2-18 GHz

SERIES CLD,

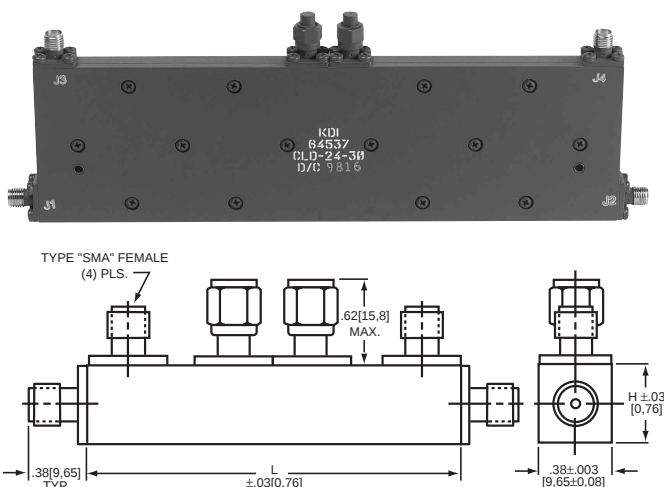
CL-K07S

GENERAL INFORMATION

KDI/Triangle's forward and reverse-dual directional couplers feature strip-line construction with high directivity and excellent accuracy. High performance specifications are offered in a space-saving "two-in-one package" which is competitively priced.

GENERAL SPECIFICATIONS

Frequency Range:	0.2 to 18.0 GHz, Octave Bands
Impedance:	50 Ohms Nominal
Finish Conn.:	Passivated S/S per MIL-C-39012
Body:	Paint
Coupling Values:	6, 10, 20, 30 dB (specify when ordering)
Total Tolerance:	±1.00 dB for 6 dB
(includes frequency sensitivity)	±1.25 dB for 10-30 dB
Frequency Sensitivity:	±0.6 dB for 6 dB
	±0.75 dB for 10-30 dB
Power:	50 WCW, 3 KW peak
Temperature Range:	-55° C to +85° C
Construction:	Stripline.



OUTLINE CLD SERIES

ELECTRICAL PERFORMANCE Dual (Forward and Reverse) Directional Couplers CLD Series

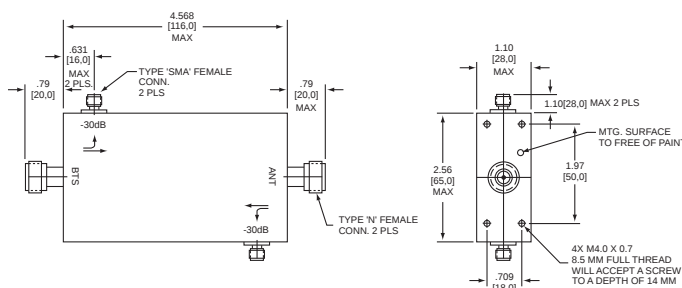
Model* No.	Frequency Range GHz	Nominal Coupling dB	Deviation from Nominal Coupling vs. Frequency dB	Minimum Directivity dB	Maximum Prim/Sec VSWR	Maximum Insertion Loss Above Coupling Loss dB	"L" inches[mm]	"H"* inches[mm]
CLD-24	0.2-0.4	See General Specifications		25	1.15	0.4	7.0[177,8]	2.0[50,8]
CLD-25	0.25-0.50			25	1.15	0.4	7.0[177,8]	2.0[50,8]
CLD-510	0.5-1.0			25	1.15	0.4	7.0[177,8]	0.5[12,7]
CLD-1020	1-2			23	1.15	0.4	7.6[193,0]	0.5[12,7]
CLD-1530	1.5-3.0			20	1.20	0.4	2.8[71,1]	0.5[12,7]
CLD-2040	2-4			20	1.20	0.4	2.4[61,0]	0.5[12,7]
CLD-2652	2.6-5.2			20	1.25	0.5	2.0[50,8]	0.5[12,7]
CLD-4080	4-8			20	1.25	0.5	2.0[50,8]	0.5[12,7]
CLD-7012	7-12.4			17	1.30	0.8	2.0[50,8]	0.5[12,7]
CLD-1218	12.4-18			14	1.50	0.9	2.0[50,8]	0.5[12,7]

*Specify coupling value when ordering

ELECTRICAL SPECIFICATIONS

MODEL CL-K07S

Frequency:	810-960 MHz
Coupling:	30 ±.75 dB
Coupling Flatness:	±0.25 dB
Directivity:	30 dB minimum 810-900 MHz .28 dB minimum 901-960
Ins. Loss:	0.2 dB maximum
VSWR, PRI:	1.08:1 maximum
SEC:	1.20:1 maximum
Average Power:	500W maximum
Operating Temperature:	0° to +70°C
Store Temperature:	-40° to +85°C
Intermod Product:	-110 dBm maximum in Rec. Band Given 2 XMIT Band Signals @ 25W average power



OUTLINE CL-K07S

KEY: Inches[Millimeters] .XX ±.03 .XXX ±.010 [.X ±0.8 .XX ±0.25]