

DIN Series for LHF



SPECIFICATIONS

Bodies, Cap (Coupling Nut) Material	Brass/silver plated or Su Co (Alloy of Cu/Sn/Zn) plated
Back Nut Material	Brass/nickel plated
Pin Material	Male: Brass/silver plated or Su Co (Alloy of Cu/Sn/Zn) plated Female: Beryllium - copper/silver plated or Su Co (Alloy of Cu/Sn/Zn) plated
Insulator Material	Plated PTFE (Teflon®)
Gasket Material	Silicon rubber

ELECTRICAL SPECIFICATIONS

Impedance Ω	50
Maximum Frequency Range GHz	7.5
V.S.W.R. (Mating) straight (right angle)	1 GHz: 1.08 (1.12) 2 GHz: 1.10 (1.15)
Maximum Insertion Loss dB @ 3 GHz	-0.2
Intermodulation (PIM) dBc	< -155
Dielectric Withstanding Voltage kV rms @ 50 Hz	4.0
Working Voltage kV rms @ 50 Hz	2.7
Insulation Resistance G Ω	10
Contact Resistance m Ω	Inner: \leq 1.5 Outer: \leq 1.5

PRODUCT DESCRIPTION

This DIN Series is compatible with the LHF In-Building Series. The connectors are manufactured from an alloy material of copper, tin and zinc to produce a highly polished, precise, and strong connector. This alloy combination allows a better operating temperature range and improved environmental performance.

FEATURES/BENEFITS

- Two-piece design is the industry standard
- Simple, user-friendly installation process
- Connector can be disassembled and re-used
- Offers stable connections

ENVIRONMENTAL SPECIFICATIONS

Temperature Range °F (°C)	-49 to +185 (-40 to +85)
Corrosion (Salt Spray Test)	IEC-68-2-11-Ka
Vibration	CECC 22000 Part 4.6.3
Waterproof	IP68

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Compatible Cable Type	Compatible Cable Size in (mm)	DIN Interface Type		Length in (mm)	Diameter in (mm)	Weight oz (g)
			Gender	Straight or Angle			
CLH-12DF	LHF Riser	½ (12)	Female	Straight	2.65 (67.4)	0.86 (21.8)	5.3 (150)
CLH-12DM	LHF Riser	½ (12)	Male	Straight	2.57 (65.4)	0.86 (21.8)	6.5 (183)
CLH-12DMR	LHF Riser	½ (12)	Male	Right Angle	-	-	-
CLHP-12DF	LHF Plenum	½ (12)	Female	Straight	2.26 (57.4)	0.86 (21.8)	5.3 (150)
CLHP-12DM	LHF Plenum	½ (12)	Male	Straight	2.18 (55.4)	0.86 (21.8)	5.3 (150)
CLHP12DMR	LHF Plenum	½ (12)	Male	Right Angle	-	-	-



TECHNICAL GUIDELINE

Installation guidelines are available for these connectors. Refer to the "Resources" section on our site for the Technical Guideline, "DIN Connectors and N Connectors Installation Guidelines," for more information.