

TYPE N SPECIFICATIONS



COAXICOM'S TYPE N CONNECTORS are medium size, moderate power handling, 50 Ω impedance connectors with a 5/8"-24 threaded coupling. The standard series provides excellent electrical and mechanical performance for critical applications up to 11 GHz. They find particular use in rack-and-panel systems to provide the interface between the smaller coaxial connectors used inside the equipment, and the more robust external connector and cable requirements. When properly mated, COAXICOM TYPE N CONNECTORS provide a weatherproof connection. Many are available in reverse polarized and reverse threaded configurations. Consult factory for availability.

COAXICOM'S TYPE N CONNECTORS are available as plugs and jacks for the common RG cables, as well as for many cables in the Andrew, Cablewave, Eupen and Times LMR families. Panel and bulk-head mount receptacles are available, as well as intra-series adapters and well matched transitions to other series, including 7/16 DIN.

In addition to standard 50 Ω Type N connectors, COAXICOM manufactures stainless steel precision Type N connectors for semi-rigid cable applications to 20 GHz, and adapters that perform to 18 GHz. A selection of 75 Ω Type N connectors suitable for applications up to 1.5 GHz is also available. The center conductors of 75 Ω Type N connectors have a smaller diameter than those of the 50 Ω connectors. They must not be mated with each other.

ELECTRICAL

Impedance	50 Ω , 75 Ω
Frequency Range	DC-11 GHz (75 Ω TO 1.5 GHz)
Working Voltage	1000 VRMS
Dielectric Withstanding Voltage	2500 VRMS
VSWR (Max)	1.3:1 (1.35:1 Right Angle)
Insulation Resistance	5000 Megohms

MECHANICAL

Force To Engage, Disengage	6 in-lbs. max
Mating Torque	12 to 15 in-lbs.
Coupling Nut Retention	100 lbs. min.
Durability	500 cycles min.

ENVIRONMENTAL (MIL-STD-202)

Temperature range: -65° C to +165° C. Designed to meet applicable par. of MIL-STD-202.

MATERIAL

Body, Metal Parts	Brass, ASTM-B-16 (Except Where Noted)
Female Contacts	Beryllium Copper, ASTM-B-196
Insulators	TFE Per ASTM-D-1457
Gaskets	Silicon Rubber ZZ-R-765
Ferrules	Brass 1/2 Hard QQ-B-626

MILITARY SPECIFICATIONS

MIL-PRF-39012 , MIL-A-55339, MIL-C-83517 and MIL-STD-348 as applicable.

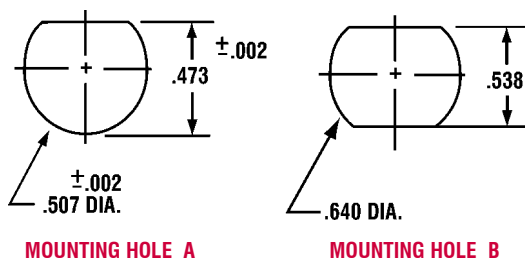
FINISH

Unless otherwise noted, all connectors are nickel-plated. Center contacts are gold plated per MIL-PRF-39012, IAW MIL-G-45204.

CABLE GROUPS

21B		LMR400, BELDEN 9913, 7810A, 8214
21C		LMR500
21D		LMR600, LMR600UF
22	22A	RG55, 142, 223, 400, M17/158
	22B	RG55, 55B, 142B, LMR195
	22E	LMR200, BELDEN 7807A
23		RG178, 196
24	24A	RG174, 188A, 316, LMR100, BELDEN 7805A, LMR100A
27	27A	RG58, 58A, 58C, 141, 141A
	27C	RG8X, LMR240, BELDEN 9258, BELDEN 7808A
28	28A	RG59A, B, C, 62A, B, C, 210
29		RG174DS, 188DS, 316DS
30		.141 SR, RG402, MIL17/130, ULTRA-FLEX
31		.085 SR, RG405, MIL17/133, ULTRA-FLEX
32	32A	RG8, 8A, 31, 213, MIL17/74
	32B	RG11, 11A, M17/6-RG11
33	33A	RG7, 9, 87, 214, M17/31-RG63
	33C	RG225, 393, TIMES AA-2206
48A		.250 SEMI-RIGID, ULTRA-FLEX
48B		.325 SEMI-RIGID

RECOMMENDED MOUNTING HOLE



TYPE N INTERFACE DIMENSIONS

