



PRECISION ADAPTERS

TYPE N, DC – 18 GHz

Description

Maury Microwave precision type N adapters are available in two configurations **a)** series 8801 which are beadless (*air dielectric*), and **b)** series 8803 which have a low reflection teflon bead support. Both types are offered in all possible combinations; female to female, male to male, and female to male. They are furnished with precision 7mm type N connectors (*red dot*) which feature stainless steel outer conductors for long wearing characteristics and either hardened beryllium copper or brass gold plated center conductors for low loss. These units exhibit low VSWR and insertion loss from DC to 18 GHz and are useful in a variety of precision measurement applications as well as for general laboratory use. They are also available in convenient kits where a selection of these adapters are supplied in an attractive instrument case. These kits are described below.

Adapter Kits

These precision adapters can be provided in an attractive foam lined wood instrument case as a kit as described below.

Kit model: 8801K

Consists of 1 each 8801A, 8801B, 8803A, and 8803B

Kit model: 8801L

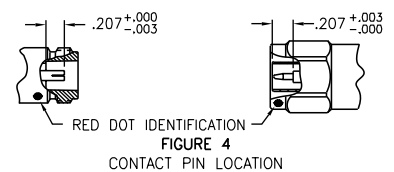
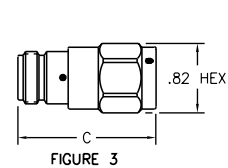
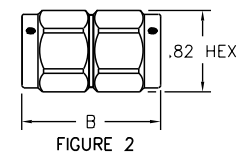
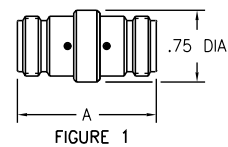
Consists of all adapters specified in the chart except model 8803D



Specifications

Frequency Range DC—18 GHz
 VSWR see chart
 Insertion Loss see chart
 Impedance 50 ohms nominal
 Transmission Line
 Size 7mm (0.1197 I.D. x 0.2756 O.D.)
 Connectors precision type N, stainless steel,
 conforms to MIL-C-39012 except see Figure 4
 (Maury red dot connector per ES-2049)

Dimensions



Model	Type	Dielectric	Figure	"A" Length Inches	VSWR — Maximum			Insertion Loss — Maximum		
					DC — 4 GHz	4 — 10 GHz	10 — 18 GHz	DC — 4 GHz	4 — 10 GHz	10 — 18 GHz
8801A	female to female	Air (beadless)	1	1.37	1.02	1.04	1.06	0.030 dB	0.050 dB	0.15 dB
8801B	male to male		2	1.37						
8801C	female to male		3	1.63						
8803A	female to female	Teflon (bead supported)	1	1.55	1.05 (<1.03 typical)	1.08 (<1.05 typical)	1.12 (<1.08 typical)	0.1 dB	0.15 dB	0.25 dB
8803B	male to male		2	1.80						
8803C	female to male		3	1.70						
8803D	female to female*		*	1.55						

*This is a precision pressurized bulkhead feedthru adapter similar to UG30/U. Outline drawing on request.