

Precision Fixed Terminations

HN, SC, BNC and C

(335, 336, 351, and 354 series)

Features

- ▶ Low VSWR
- ▶ DC to 10 GHz

Description

Maury produces these four series of low power, general purpose terminations which are designed to operate from DC to 8 or DC to 10 GHz. They are useful in a variety of airborne systems and laboratory applications where low VSWR broadband termination is required.

These compact, lightweight, rugged terminations are available with HN, SC, BNC, and C connectors. Most are sufficiently well matched for low frequency VNA Z₀ calibrations and all can be used for isolation calibrations within the appropriate frequency range.

Connector Descriptions

The HN connectors on the 335 series terminations are medium size high voltage connectors with a screw type coupling mechanism and overlapping dielectrics for longer breakdown paths.

The SC connectors on the 336 series terminations are threaded versions of the C connector and are designed for use in severe environments, where vibration and shock are present.

The C connectors on the 354 series terminations are medium size, 50 ohm impedance connectors with bayonet couplings. Maury MPC C connectors mate with most C versions in use today, specifically with MIL-C-39012/35/36 and test connectors with MIL-C-3989 interfaces. They are normally made with stainless steel bodies and have heat treated, gold-plated beryllium copper contacts.

The BNC connectors on the 351 series terminations are 50 ohm impedance connectors with two-stud bayonet coupling. They conform to MIL-C-39012 and are normally made with stainless steel bodies with heat treated, gold-plated beryllium copper contacts.

Dimensions – Inches (cm)

TYPE	MODEL	DIAMETER		LENGTH	
		INCHES	(CM)	INCHES	(CM)
HN Female	335A	0.750	(1.905)	1.770	(4.496)
HN Male	335B1	0.875	(2.223)	1.955	(4.966)
SC Female	336A	0.760	(1.930)	1.925	(4.889)
SC Male	336B1	0.790	(2.007)	1.835	(4.661)
BNC Female	351A2	0.570	(1.448)	1.520	(3.861)
BNC Male	351B2	0.570	(1.448)	1.435	(3.645)
C Female	354A	0.760	(1.930)	1.925	(4.889)
C Male	354B	0.790	(2.007)	1.835	(4.661)

Key Literature: Maury data sheet 2C-004, 2C-005.



Available Models

MODEL FEMALE	MODEL MALE	FREQUENCY RANGE (GHz)	MAXIMUM VSWR	CONNECTOR TYPE
336A	336B1	DC – 1.0 1.0 – 4.0 4.0 – 10.0	1.03 1.07 1.12	SC ¹
351A2	351B2	DC – 2.0 2.0 – 4.0 4.0 – 10.0	1.04 1.10 1.20	BNC
354A	354B	DC – 1.0 1.0 – 4.0 4.0 – 10.0	1.05 1.15 1.30	C

Specifications

Frequency Range, VSWR (See Available Models chart)

Power Rating:

HN and SC 1 watt CW, 1 kW peak

BNC and C 2 watt CW, 1 kW peak

Nominal Impedance 50 ohm

Size (See Dimensions)

¹ Precision stainless steel connector per Maury data sheet 5E-051.

² Precision stainless steel SC per Maury data sheet 5E-050.