



SLIDING TERMINATION

7mm AIR LINE — 2 TO 18 GHz

- Broadband
- Accurate 50 ohm — Air Line
- Low VSWR
- Precision Connector (LPC7A)



2517H

Description

The model 2517H sliding termination is a movable, low reflection air line type load, supplied with LPC7A (mates with APC7) connectors. The model 2517H consists of a broadband low reflection tapered polyiron element housed in a precision 7mm air transmission line. The element is movable over at least one-half wavelength at its lowest rated frequency in order to reverse the phase of its reflection and separate it from other reflections in the system. The supplied connector is beadless and the center conductor is movable to eliminate gap discontinuity when the sliding load is engaged with a mating connector, or, it can be flush set by using an appropriate connector gage (models A028, A028C or A028D). This sliding termination is normally supplied as part of a 7mm calibration kit.

Specifications

Frequency Range	2 - 18 GHz
VSWR — Air Line.....	1.005 maximum (52 dB minimum R. L.) ^[1]
VSWR — Terminating Element	1.04 maximum (34 dB minimum R. L.)
Nominal Impedance.....	50 ohms
Air Line Size (7mm) ...	0.1197 dia. center conductor 0.2756 dia. outer conductor
Power Handling.....	1 watt average, 5kW peak
Travel.....	>1/2 wavelength at 2 GHz
Connector.....	LPC7A ^[2]

^[1] Air line accuracy includes connector.

^[2] Beadless 7mm - refer to Maury data sheet 5E-061 for interface information.