

SV MICROWAVE®

RF Connectors & Components
an Amphenol Company

7/16 & Type N Calibration Kits

FEATURES & BENEFITS

Unitary Tee design Open/Short/Load

Performance to 4 GHz (7/16) & 6 GHz (Type N)

Rugged design for use on-site or in factory

+30 dBm max. load input (7/16)

+25 dBm max. load input (Type N)

APPLICATIONS

Telecommunication installations

Field testing with hand-held measurement equipment

Factory production testing



7/16 & Type N Calibration Kits

7/16 & Type N Calibration Kits

SV Microwave is now offering unitary tee piece calibration kits. These calibration kits are available in both genders for a 7/16 interface up to 4 GHz and an Type N interface up to 6 GHz.

These products feature rugged stainless steel bodies, high performance interfaces and proven thin film technology to accept input signal levels up to +30 dBm. Long term performance is ensured by making the interfaces replaceable. In the event of damage from use; repair and return can be achieved quickly.

These calibration kits are usable with a wide range of proprietary test equipment from well-known manufacturers. These one piece kits greatly simplify field and factory calibration at an affordable price.

Specifications

7/16

Type N

General

Frequency Range	45 MHz - 4 GHz	45 MHz - 6 GHz
Impedance	50 Ω	50 Ω
Input Power	+30 dBm MAX	+25 dBm MAX
Source Match	≥ 35 dB	≥ 35 dB
Directivity	≥ 40 dB	≥ 42 dB
Tracking	N/A	≤ 1.5 degrees

Open

Male Offset Length	19.800 mm	21.287 mm
Female Offset Length	29.200 mm	21.287 mm
Phase Tolerance	3.00 degrees	1.25 degrees
Return Loss	≤ 0.10 dB	≤ 0.10 dB

Load

DC Resistance	50 $\Omega \pm 0.5 \Omega$	50 $\Omega \pm 0.5 \Omega$
Return Loss	≥ 40 dB 45 MHz - 2.5 GHz ≥ 38 dB 2.5 GHz - 4 GHz	≥ 42 dB

Short

Male Offset Length	19.800 mm	21.287 mm
Female Offset Length	29.200 mm	21.287 mm
Phase Tolerance	2.00 degrees	0.85 degrees
Return Loss	Male: ≤ 0.05 dB Female: ≤ 0.20 dB	Male: ≤ 0.10 dB Female: ≤ 0.10 dB