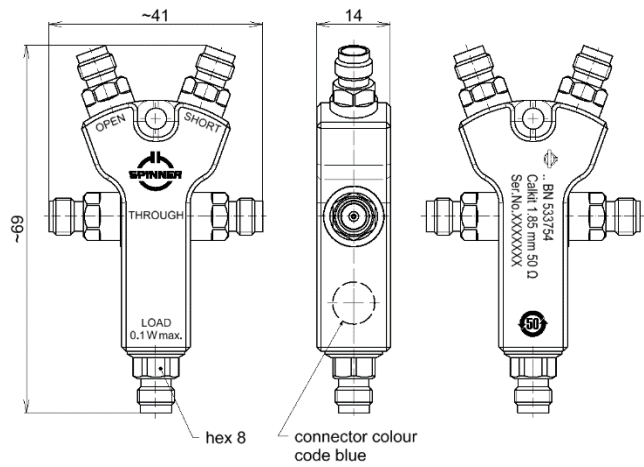


OSLT Compact Calibration Kit (4-in-1) || BN 533754



all dimensions in millimeter

Radio frequency characteristics

Interface type		1.85 mm socket per IEC 61169-32
Frequency range		DC to 67 GHz
THROUGH	Return loss, min.	30 dB @ DC to 4 GHz 26 dB @ 4 to 26.5 GHz 23 dB @ 26.5 to 40 GHz 21 dB @ 40 to 67 GHz
	Insertion loss, max.	0.06 dB x \sqrt{f} (GHz)
OPEN	Phase deviation, max.	3.0 deg. @ DC to 10 GHz 4.0 deg. @ 10 to 26.5 GHz 6.0 deg. @ 26.5 to 50 GHz 7.0 deg. @ 50 to 67 GHz
SHORT	Phase deviation, max.	2.0 deg. @ DC to 10 GHz 3.0 deg. @ 10 to 26.5 GHz 5.0 deg. @ 26.5 to 50 GHz 6.5 deg. @ 50 to 67 GHz
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	36 dB @ DC to 4 GHz 31 dB @ 4 to 10 GHz 25 dB @ 10 to 26.5 GHz 22 dB @ 26.5 to 50 GHz 20 dB @ 50 to 67 GHz
	Power rating, max.	0.1 W

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OSLT Compact Calibration Kit (4-in-1) || BN 533754

Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	117.581 ps	35.25 mm
OPEN	C0	4.5×10^{-15} F	4.5 fF
	C1	50×10^{-27} F/Hz	0.05 fF/GHz
	C2	-0.2×10^{-36} F/Hz ²	-0.0002 fF/(GHz) ²
	C3	0.008×10^{-45} F/Hz ³	0.000008 fF/(GHz) ³
	Offset	21.515 ps	6.45 mm
SHORT	L0	0.5×10^{-12} H	0.5 pH
	L1	0×10^{-24} H/Hz	0 pH/GHz
	L2	0×10^{-33} H/Hz ²	0 pH/(GHz) ²
	L3	0×10^{-42} H/Hz ³	0 pH/(GHz) ³
	Offset	20.948 ps	6.28 mm
Offset loss		4 GΩ/s	

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface finish	CuBe / gold-plated
Insulation	cross linked polystyrene, PS
Other metallic parts / surface finish	aluminium / anodised (blue)
Weight, approx.	0.05 kg
Marking	laser engraving

Component Name	Toxic or Hazardous Substances and Elements					
	Pb	Hg	Cd	Cr 6+	PBB	PBDE
Metal parts	X	O	O	O	O	O

The environmental protection use period of 50 years is valid, if the product is used as intended.

Environmental conditions

Operation	
Ambient temperature range	+18 to +28°C
Storage	
Ambient temperature range	-40 to +70°C (in line with EN 60068-2-1 and EN 60068-2-2)

Scope of delivery and accessories

Scope of delivery	calibration certificate, protective caps, protective bag, data sheet, handling instructions
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