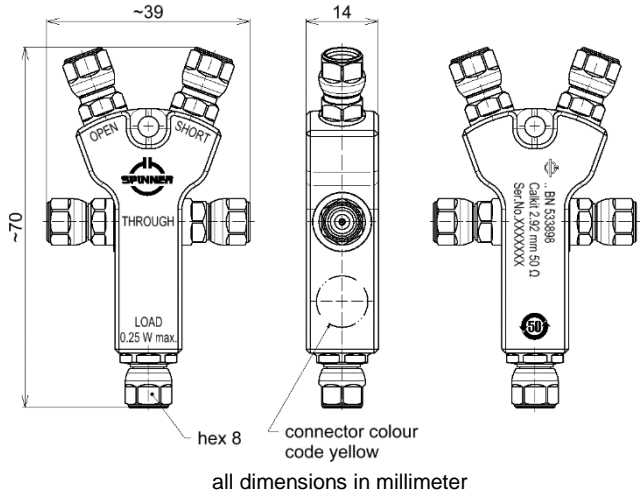


OSLT Compact Calibration Kit (4-in-1) || BN 533897



Radio frequency characteristics

Interface type		2.92 mm plug per IEEE Std 287
Frequency range		DC to 40 GHz
THROUGH	Return loss, min.	30 dB @ DC to 4 GHz 26 dB @ 4 to 26.5 GHz 21 dB @ 26.5 to 40 GHz
	Insertion loss, max.	$0.04 \text{ dB} \times \sqrt{f \text{ (GHz)}}$
OPEN	Phase deviation, max.	1.5 deg. @ DC to 4 GHz
		2.5 deg. @ 4 to 10 GHz
		4.5 deg. @ 10 to 26.5 GHz
		5.0 deg. @ 26.5 to 40 GHz
SHORT	Phase deviation, max.	1.5 deg. @ DC to 4 GHz
		2.0 deg. @ 4 to 10 GHz
		3.5 deg. @ 10 to 26.5 GHz
		4.5 deg. @ 26.5 to 40 GHz
LOAD	DC-resistance	$50 \Omega \pm 0.5 \Omega$
	Return loss, min.	39 dB @ DC to 4 GHz
		33 dB @ 4 to 10 GHz
		28 dB @ 10 to 26.5 GHz 24 dB @ 26.5 to 40 GHz
	Power rating, max.	0.25 W

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SPINNER GmbH
 Template TD-00003C

OSLT Compact Calibration Kit (4-in-1) || BN 533897

Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	116.18 ps	34.83 mm
OPEN	C0	$-0.07206 \times 10^{-15} \text{ F}$	-0.07206 fF
	C1	$-49.96 \times 10^{-27} \text{ F/Hz}$	-0.04996 fF/GHz
	C2	$1.63 \times 10^{-36} \text{ F/Hz}^2$	$0.00163 \text{ fF}/(\text{GHz})^2$
	C3	$0.0498 \times 10^{-45} \text{ F/Hz}^3$	$0.0000498 \text{ fF}/(\text{GHz})^3$
	Offset	31.489 ps	9.44 mm
SHORT	L0	$-7.345 \times 10^{-12} \text{ H}$	-7.345 pH
	L1	$1541 \times 10^{-24} \text{ H/Hz}$	1.541 pH/GHz
	L2	$-79.94 \times 10^{-33} \text{ H/Hz}^2$	$-0.07994 \text{ pH}/(\text{GHz})^2$
	L3	$1.176 \times 10^{-42} \text{ H/Hz}^3$	$0.001176 \text{ pH}/(\text{GHz})^3$
	Offset	31.222 ps	9.36 mm
Offset loss		2.5 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) CuBe / CuSnZn-plated
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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