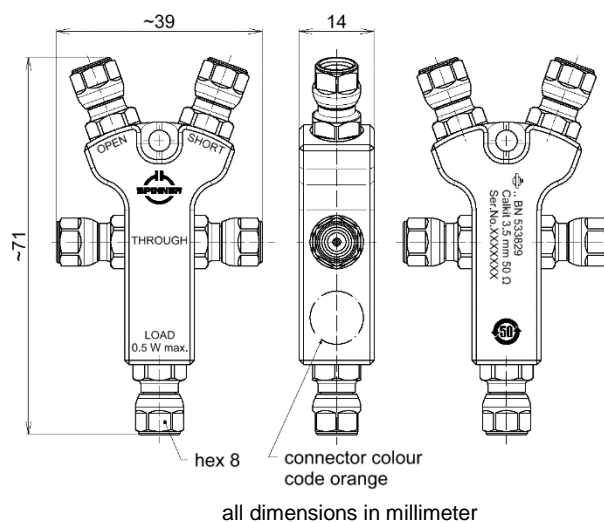


## OSLT Compact Calibration Kit (4-in-1) || BN 533829



## Radio frequency characteristics

Interface type		3.5 mm plug per IEC 60169-23	
Frequency range		DC to 13 GHz	
THROUGH	Return loss, min.	34 dB @ DC to 4 GHz 28 dB @ 4 to 8 GHz 25 dB @ 8 to 13 GHz	
	Insertion loss, max.	0.1 dB @ DC to 8 GHz 0.15 dB @ 8 to 13 GHz	
OPEN	Phase deviation, max.	1.5 deg. @ DC to 4 GHz 3.0 deg. @ 4 to 8 GHz 4.5 deg. @ 8 to 13 GHz	
SHORT	Phase deviation, max.	1 deg. @ DC to 4 GHz 2 deg. @ 4 to 8 GHz 3.5 deg. @ 8 to 13 GHz	
LOAD	DC-resistance	50 Ω ± 0.5 Ω	
	Return loss, min.	40 dB @ DC to 4 GHz	
		34 dB @ 4 to 8 GHz	
		28 dB @ 8 to 13 GHz	
	Power rating, max.	0.5 W	

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## Calibration data

Format		Keysight / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	127.088 ps	38.1 mm
OPEN	C0	$44.5 \times 10^{-15} \text{ F}$	44.5 fF
	C1	$150 \times 10^{-27} \text{ F/Hz}$	0.15 fF/GHz
	C2	$-8 \times 10^{-36} \text{ F/Hz}^2$	$-0.008 \text{ fF/(GHz)}^2$
	C3	$0.36 \times 10^{-45} \text{ F/Hz}^3$	$0.00036 \text{ fF/(GHz)}^3$
	Offset	28.386 ps	8.51 mm
SHORT	L0	$10 \times 10^{-12} \text{ H}$	10 pH
	L1	$-80 \times 10^{-24} \text{ H/Hz}$	$-0.08 \text{ pH/GHz}$
	L2	$3 \times 10^{-33} \text{ H/Hz}^2$	$0.003 \text{ pH/(GHz)}^2$
	L3	$-0.02 \times 10^{-42} \text{ H/Hz}^3$	$-0.00002 \text{ pH/(GHz)}^3$
	Offset	30.521 ps	9.15 mm
Offset loss		2 GΩ/s	

## Mechanical characteristics

Center conductor material / surface finish	CuBe, copper alloy / gold-plated
Outer conductor material / surface finish	copper alloy / CuSnZn-plated
Insulation	cross linked polystyrene
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

<b>Operation</b>	
Ambient temperature range	+5 to +40°C
<b>Storage</b>	
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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