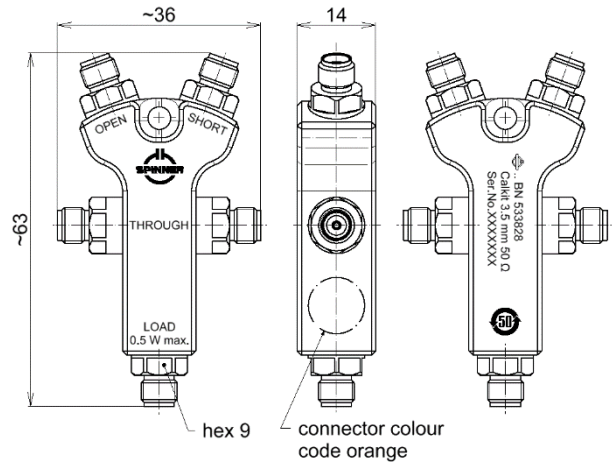


OSLT Compact Calibration Kit (4-in-1) || BN 533828



all dimensions in millimeter

Radio frequency characteristics

Interface type		3.5 mm socket 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
THROUGH	Insertion loss, max.	25 dB @ 8 to 13 GHz
		0.1 dB @ DC to 8 GHz
THROUGH	Insertion loss, max.	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	$-8 \times 10^{-36} \text{ F/Hz}^2$	$-0.008 \text{ fF}/(\text{GHz})^2$
	C3	$0.36 \times 10^{-45} \text{ F/Hz}^3$	$0.00036 \text{ fF}/(\text{GHz})^3$
	Offset	28.386 ps	8.51 mm
SHORT	L0	$10 \times 10^{-12} \text{ H}$	10 pH
	L1	$-80 \times 10^{-24} \text{ H/Hz}$	$-0.08 \text{ pH}/\text{GHz}$
	L2	$3 \times 10^{-33} \text{ H/Hz}^2$	$0.003 \text{ pH}/(\text{GHz})^2$
	L3	$-0.02 \times 10^{-42} \text{ H/Hz}^3$	$-0.00002 \text{ pH}/(\text{GHz})^3$
	Offset	30.521 ps	9.15 mm
Offset loss		2 GΩ/s	

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, 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)
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	+5 to +40°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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