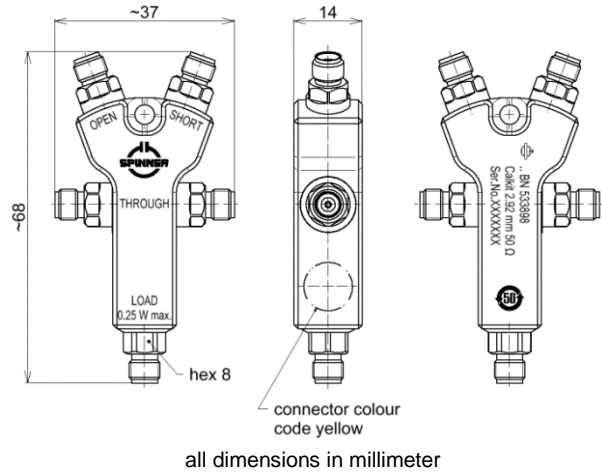


OSLT Compact Calibration Kit (4-in-1) || BN 533898



Radio frequency characteristics

Interface type		2.92 mm socket 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 dB x \sqrt{f} (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 Ω \pm 0.5 Ω
	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

SPINNER GmbH
 This document is proprietary to us.
 All rights reserved. Any use, transfer, or reproduction of this document
 or the know-how contained therein requires our express consent.

Template TD-00003C

OSLT Compact Calibration Kit (4-in-1) || BN 533898

Calibration Data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	116.114 ps	34.81 mm
OPEN	C0	$-0.3583 \times 10^{-15} \text{ F}$	-0.3583 fF
	C1	$38.29 \times 10^{-27} \text{ F/Hz}$	0.03829 fF/GHz
	C2	$-3.48 \times 10^{-36} \text{ F/Hz}^2$	-0.00348 fF/(GHz) ²
	C3	$0.1235 \times 10^{-45} \text{ F/Hz}^3$	0.0001235 fF/(GHz) ³
	Offset	31.522 ps	9.45 mm
SHORT	L0	$-7.262 \times 10^{-12} \text{ H}$	-7.262 pH
	L1	$429.6 \times 10^{-24} \text{ H/Hz}$	0.4296 pH/GHz
	L2	$-16.71 \times 10^{-33} \text{ H/Hz}^2$	-0.01671 pH/(GHz) ²
	L3	$0.1882 \times 10^{-42} \text{ H/Hz}^3$	0.0001882 pH/(GHz) ³
	Offset	31.288 ps	9.38 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)
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
-------------------	---

SPINNER GmbH
 This document is proprietary to us.
 All rights reserved. Any use, transfer, or reproduction of this document
 or the know-how contained therein requires our express consent.

Template TD-00003C