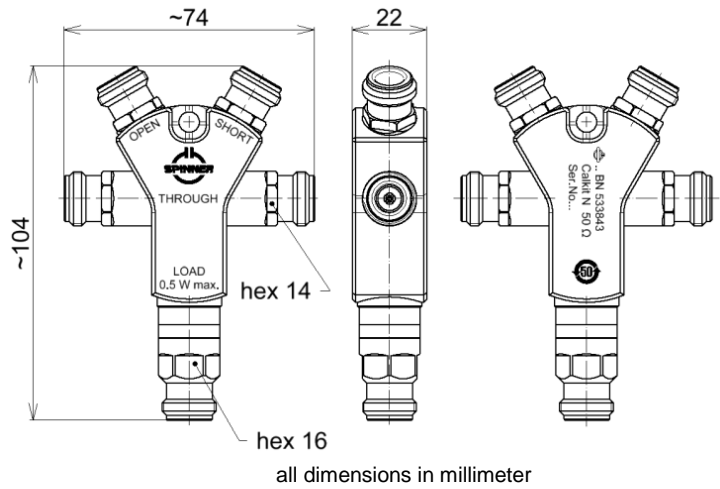


OSLT Compact Calibration Kit (4-in-1) || BN 533843



Radio frequency characteristics

Interface type		N socket per IEC 61169-16
Frequency range		DC to 9 GHz
THROUGH	Return loss, min.	36 dB @ DC to 4 GHz 31 dB @ 4 to 8 GHz 28 dB @ 8 to 9 GHz
	Insertion loss, max.	0.05 dB @ DC to 4 GHz 0.1 dB @ 4 to 9 GHz
OPEN	Phase deviation, max.	2 deg. @ DC to 4 GHz 3 deg. @ 4 to 9 GHz
SHORT	Phase deviation, max.	1.25 deg. @ DC to 9 GHz
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	42 dB @ DC to 6 GHz 35 dB @ 6 to 9 GHz
	Power rating, max.	0.5 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.

OSLT Compact Calibration Kit (4-in-1) || BN 533843

**Calibration data**

Format		Keysight / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	241.167 ps	72.3 mm
OPEN	C0	$0.0392 \times 10^{-15} \text{ F}$	0.0392 fF
	C1	$1545 \times 10^{-27} \text{ F/Hz}$	1.545 fF/GHz
	C2	$-21.25 \times 10^{-36} \text{ F/Hz}^2$	$-0.02125 \text{ fF}/(\text{GHz})^2$
	C3	$-21.54 \times 10^{-45} \text{ F/Hz}^3$	$-0.02154 \text{ fF}/(\text{GHz})^3$
	Offset	53.437 ps	16.02 mm
SHORT	L0	$24 \times 10^{-12} \text{ H}$	24 pH
	L1	$-23480 \times 10^{-24} \text{ H/Hz}$	$-23.48 \text{ pH}/\text{GHz}$
	L2	$5182 \times 10^{-33} \text{ H/Hz}^2$	$5.182 \text{ pH}/(\text{GHz})^2$
	L3	$-312.2 \times 10^{-42} \text{ H/Hz}^3$	$-0.3122 \text{ pH}/(\text{GHz})^3$
	Offset	53.437 ps	16.02 mm
Offset Loss		0.82 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, PMP, PTFE
Other metallic parts / surface finish	aluminium / anodised (blue)
Weight, approx.	0.25 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	-10 to +55°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
-------------------	---

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.