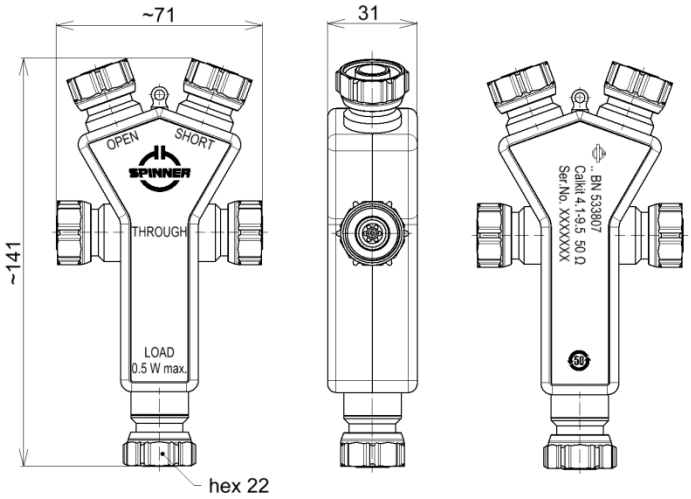
OSLT Compact Calibration Kit (4-in-1) || BN 533807



all dimensions in millimeter

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Radio frequency characteristics

Interface type		4.1-9.5 plug per IEC 60169-11
Frequency range		DC to 6 GHz
THROUGH	Return loss, min.	35 dB @ DC to 4 GHz 30 dB @ 4 to 6 GHz
	Insertion loss, max.	0.04 dB x $\sqrt{f\ (GHz)}$
OPEN	Offset	see calibration data
SHORT	Offset	see calibration data
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	40 dB @ DC to 6 GHz
	Power rating, max.	0.5 W

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Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	249.006 ps	74.65 mm
OPEN	C0	110 x 10^{-15} F	110 fF
	C1	200 x 10^{-27} F/Hz	0.2 fF/GHz
	C2	50 x 10^{-36} F/Hz^2	0.05 fF/(GHz)^2
	C3	0 x 10^{-45} F/Hz^3	0 fF/(GHz)^3
	Offset delay	70.182 ps	21.04 mm
SHORT	L0	0 x 10^{-12} H	0 pH
	L1	0 x 10^{-24} H/Hz	0 pH/GHz
	L2	0 x 10^{-33} H/Hz^2	0 pH/(GHz)^2
	L3	0 x 10^{-42} H/Hz^3	0 pH/(GHz)^3
	Offset delay	75.052 ps	22.5 mm
Offset loss		0.79 GΩ/s	

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface finish	copper alloy / gold-plated
Insulation	cross linked polystyrene
Body	PC GF20 (black)
Other metallic parts / surface finish	aluminium / anodised (blue) copper alloy / nickel-plated
Weight, approx.	0.40 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	-10 to +55°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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