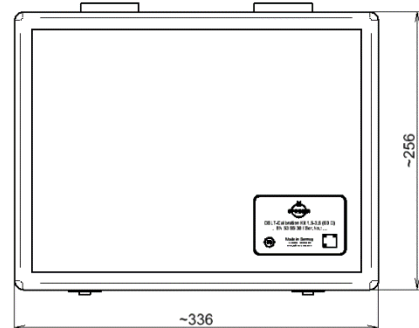


OSL Calibration Kit || BN 535530



picture similar



all dimensions in millimeter

Radio frequency characteristics

Interface type		1.5-3.5 plug and socket
Frequency range		DC to 13 GHz
OPEN ¹⁾	Phase deviation, max.	1.5 deg. @ DC to 4 GHz 3 deg. @ 4 to 8 GHz 4.5 deg. @ 8 to 13 GHz
	Offset delay	see calibration data
SHORT ¹⁾	Phase deviation, max.	1 deg. @ DC to 4 GHz 2 deg. @ 4 to 8 GHz 3.5 deg. @ 8 to 13 GHz
	Offset delay	see calibration data
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.

¹⁾ The specifications for the opens and shorts are given as allowed deviation from the nominal model as defined in the calibration data.

OSL Calibration Kit || BN 535530

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened; copper alloy / gold-plated
Outer conductor material / surface finish	copper alloy, CuBe / gold-plated copper alloy / CuSnZn-plated
Insulation	cross linked polystyrene, PTFE
Other metallic parts / surface finish	copper alloy / nickel-plated
Weight, approx.	1.5 kg
Marking	laser engraving

Environmental conditions

Operation	
Ambient temperature range	+5 to +40°C ²⁾
Storage	
Ambient temperature range	-40 to +70°C (in line with EN 60068-2-1 and EN 60068-2-2)

²⁾ Temperature range within all components maintain conformance to their specification.

Scope of delivery

Description	Qty per kit	Part No	Calibration option
1.5-3.5 Open circuit plug	1	BN 535523R000	Factory calibration
1.5-3.5 Open circuit socket	1	BN 535524R000	Factory calibration
1.5-3.5 Short circuit plug	1	BN 535525R000	Factory calibration
1.5-3.5 Short circuit socket	1	BN 535526R000	Factory calibration
1.5-3.5 Load plug	1	BN 535527R000	Factory calibration
1.5-3.5 Load socket	1	BN 535528R000	Factory calibration
Torque Wrench 8 mm / 0.9 N-m	1	BN 154141R000	Factory calibration
Certificate of calibration incl. calibration data			
USB flash drive including certificate of calibration incl. calibration data data sheet			
Product manual calibration kit		22242A	
Handling instruction torque wrench		M31071	
Aluminium storage case			

Calibration data

Calibration data in formats for the common VNAs are included in the kit. It includes individual calibration coefficients for every kit to achieve the best possible performance.

Re-Calibration

The suggested initial interval for recalibration is 12 months or 500 mating's, whichever comes first. The actual need for recalibration depends on the use and the maintenance of the kit. The recalibration interval should begin with the day of initial use after recalibration.