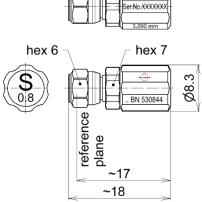
# plate TD-00261.dotx

# Short circuit termination; 0.8 mm plug | BN 530844







all dimensions in millimeter

## Radio frequency characteristics

Interface type	0.8 mm plug metrology grade per IEEE Std 287
Frequency range	DC to 165 GHz
Characteristic impedance	50 Ω
Return loss, max.	0.5 dB
Repeatability, min.	45 dB
	2.5 deg @ DC to 40 GHz
	3.5 deg @ 40 to 90 GHz
Reflection phase accuracy, max.	4.5 deg @ 90 to 120 GHz
	5.5 deg @ 120 to 150 GHz
	6.5 deg @ 150 to 165 GHz
Offset length, nom.	3.090 mm

# **Mechanical characteristics**

Inner conductor material / surface coating	CuBe age hardened / gold-plated
Outer conductor material / surface coating	CuBe / gold-plated copper alloy / gold-plated
Other parts material / surface coating	copper alloy / gold-plated CuBe / CuSnZn-plated
Weight, approx.	5 g
Marking	laser engraving

#### **Environmental conditions**

Operation	
Ambient temperature range	+18 to +28°C
Relative humidity, max.	95% (non-condensing)
Storage	
Ambient temperature range	-40 to +70°C
Relative humidity, max.	95% (non-condensing)



# Short circuit termination; 0.8 mm plug | BN 530844

# Scope of delivery and accessories

Scope of delivery	protective tube (38704A), certificate of calibration, calibration data, handling instructions
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## **Applicable documents**

Handling instructions M36081	iangling instructions
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## **Calibration data**

Calibration data in formats for the common VNAs are included. It includes individual calibration coefficients to achieve the best possible performance.
The specifications for opens and shorts are given as allowed deviation from the nominal model.