BNC Male Short Calibration Kit Component for Precision Up to 10 GHz

BNC male short calibration kit component, part number FMSC3020, from Fairview Microwave is in-stock and ships same day. This BNC precision short circuit can be used for calibration of most vector network analyzers (VNA), cable analyzers or site analyzers. Coefficients for this BNC short calibrating component are provided in the datasheet. These can be entered into most VNAs to provide the necessary corrections, thereby allowing replacement of misplaced or damaged calibration components. Precision control of the impedance and electrical length allow for OSLT analyzer calibrations over the complete frequency range of the connector interface provided.

Fairview's BNC short circuit calibration component FMSC3020 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering for RF, microwave and millimeter wave components allows designers to configure and customize their test solutions however they like. From calibration kit replacement to SOLT / OSLT VNA calibration, Fairview Microwave has the right calibration kit components to meet your needs and ship them same-day.

Features:

- Controlled Impedance
- Published Calibration Coefficients
- Replaces Damaged Calibrating Kit Components
- Controlled Electrical Length
- Precision Interfaces
- In Stock and Ready to Ship

Applications:

- SOLT or OSLT Calibration
- VNA Calibration
- Device Characterization
- De-embedding
- Replacement Calibration Kits

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Phase Accuracy			±5	deg
Offset Loss		1.5		GOhm/s
Electrical Delay		84.291		ps
Inductance				
L0		0		10^{-12}H
L1		0		10^{-24}H/Hz
L2		0		10^{-33}H/Hz^2
L3		0		10^{-42}H/Hz^3

Mechanical Specifications

Size
Length   1.14 in [28.96 mm]
Width/Diameter   0.545 in [13.84 mm]
Pin Depth   0.209 to 0.214 in

Connector 1
Connector Type   BNC Male
Body Material and Plating Beryllium Copper, Nickel

Connector 2

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data
   Notes:
   • Values at +25 °C, sea level

BNC Male Short Calibration Kit Component for Precision Up to 10 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: BNC Male Short Calibration Kit Component for Precision Up to 10 GHz FMSC3020

URL: https://www.fairviewmicrowave.com/bnc-male-calibration-kit-component-short-10-ghz-fmsc3020-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

BNC MALE SHORT

Ø .545
[13.84]

1.141
[28.98]
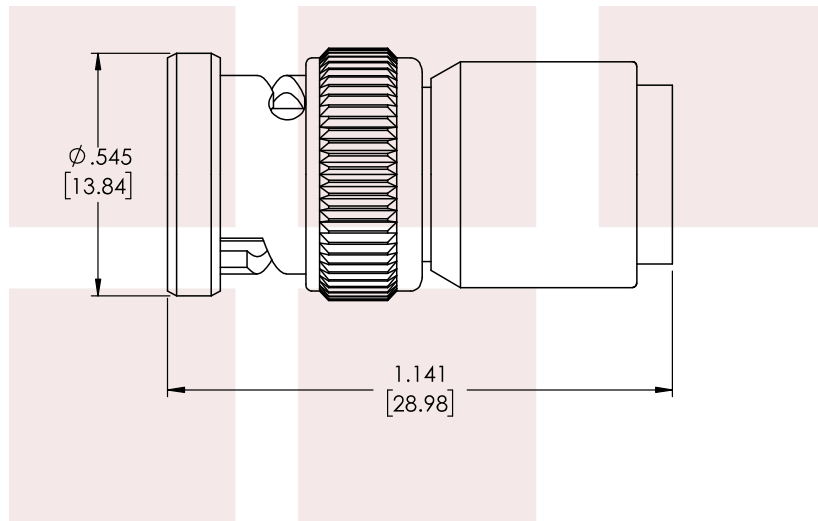
STANDARD TOLERANCES
.X   ±0.2
.XX   ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE		DWG NO	CAGE CODE	
BNC Male Short Calibration Kit Component for Precision Up to 10 GHz		FMSC3020		3FKR5
	CAD FILE 02/04/18	SHEET	SCALE N/A SIZE A	CN2245