



3.5mm Female General Purpose Calibration Kit Component Open Circuit Operating From DC to 8.5 GHz

TECHNICAL DATA SHEET

PE5SC2002

Pasternack's PE5SC2002 offers excellent performance characteristics that is specially designed for the fine-tuning and calibration of sensitive test equipment in engineering labs, production environments, and quality testing facilities. All of our calibration kits & components are built to withstand years of rigorous use and provide accurate RF equipment calibration for the life of the product. Pasternack's broad portfolio of test and measurement components offer users a variety of options that are technically and economically suitable for a broad spectrum of RF applications and environments.

As a leading solutions provider of RF calibration instruments and compatible RF components, you can rely on Pasternack to have all of the T&M products you need in-stock and available to ship same-day.

Features

- Functional from DC to 8.5 GHz
- See PE5CK1001 for full standard kit which includes (8) 3.5mm short-open-load-thru (SOLT) components
- Suitable for many 50 Ohm network analyzers including, but not limited to:
 - Agilent / HP (8711/8712, 8713/8714, 8753, E5061A, E5062A, E5061B, E5071C, E5072A)
 - Anritsu / Advantest (MS2028S, MS2026S, MS2025S, MS2024S, MS2038C, MS2036C, MS2035B, MS2034B, MS4640B, R3755A, R3760)
- Copper Mountain (5048, 804, 304, 818, 814)
- Deviser (NA7300A, NA7100A)
- EI41(AV3656A)
- OuFu (OF7631A, OF7633A)
- PNA (PNA3766, PNA3767)
- Rohde & Schwarz (ZVL, ZVC, ZVB)
- Tianda (TD3616C, TD3617E, TD3618C, TD3619C)

Applications

- VNA, Full 2-Port CAL
- VNA, Thru CAL
- VNA, Substitution CAL Method
- Test & Measurement
- Lab Equipment Accessories
- Engineering Test and Evaluation
- General Purpose Test and Evaluation

Configuration

Connector	3.5mm Female
Component Type	Open Circuit
Impedance	50 Ohms
Frequency Range	DC to 8.5 GHz

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range		DC - 8500		MHz
Impedance		50		Ohm
Phase, DC-3000 MHz	0.8	Nominal	0.8	Degrees
Phase, 3001 - 8500 MHz	1.2	Nominal	1.2	Degrees

Mechanical Specifications

Item	Description	Units
Housing	Phosphor Bronze	
Connector	50 Ohm 3.5mm Female	
Connector Screw Thread	1/4"-36 UNS	Inch
Dimensions	0.473 [12] ϕ , 0.733 [18.6] L	Inch [mm]
Net Weight	10	g

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female General Purpose Calibration Kit Component Open Circuit Operating From DC to 8.5 GHz PE5SC2002](#)



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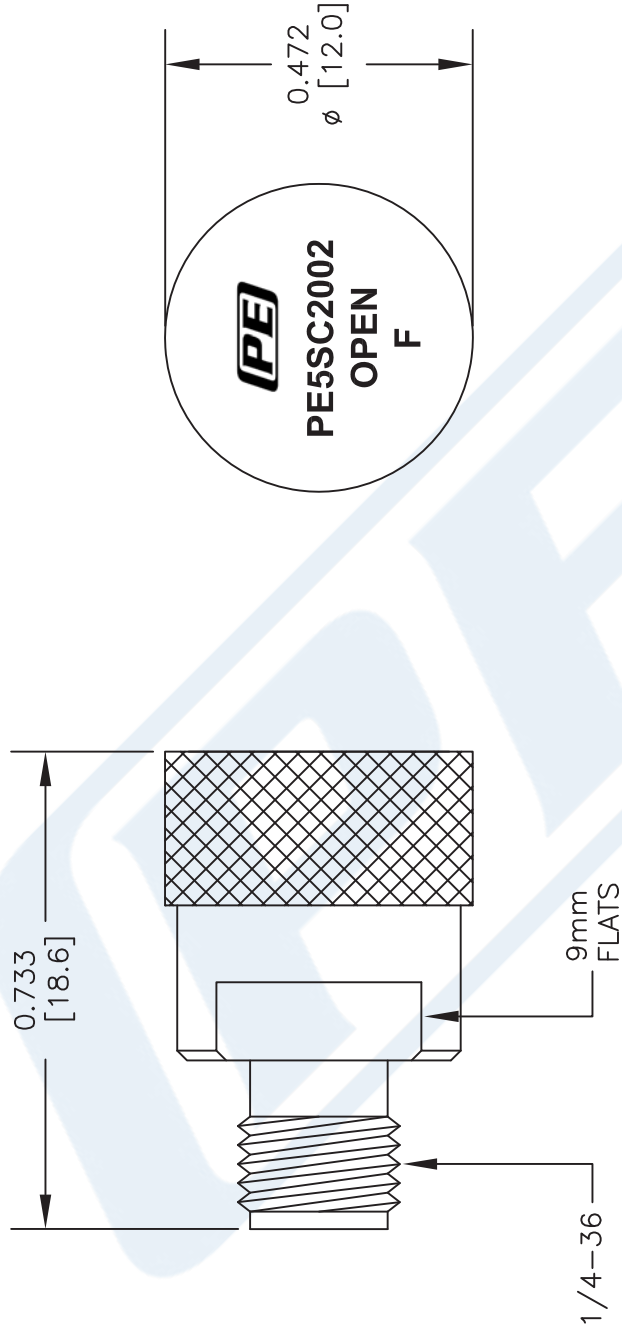
General Instructions and Usage Notes

#	Notes
1	Keep provided protective blue caps installed when not in use.
2	Store in climate controlled environment.
3	Always keep connectors clean.
4	Avoid touching the connector interface.
5	Use caution when handling.
6	For female components, do not insert male pin greater than 0.037" [.94 mm]. Failure to comply will result in damage to the female connector.
7	When mating, always ensure that the components to be interconnected remain in a fixed position while rotating only the coupling nut slowly to mate the connectors.
8	When de-mating, always ensure that the interconnected components remain in a fixed position while rotating only the coupling nut slowly to de-mate the connectors.
9	Visually inspect the connector threads prior to use. If needed, clean the center conductor pin and outer conductor with alcohol to remove any debris that may be present. Be sure to apply the alcohol in a circular motion with a lint-free cloth or applicator.
10	Use at room temperature.
11	Torque wrench provided is intended for 3.5mm connector types and is calibrated to 8 in-lbs.

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PE5SC2002 CAD Drawing

3.5mm Female General Purpose Calibration Kit Component
Open Circuit Operating From DC to 8.5 GHz



DWG TITLE

PE5SC2002

FSCM NO. 53919

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].

CAD FILE 012615

SCALE N/A

SIZE A

2233



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