

MSOT (4-in-1) and MSO (3-in-1)

Compact Calibration Kits

TEST & MEASUREMENT





Compact Calibration Kits

Rosenberger provides a wide range of compact calibration kits for MSOT (4-in-1) and MSO (3-in-1) calibrations. These compact calibration kits combine all necessary calibration standards in one unit – small, easy to handle and light weight.

All compact calibration kits come in a hard shell case with general coefficients on a standard definition card.

MSOT:

The 4-in-1 mechanical calibration kits combine an open, short, load and thru element in a compact unit for a complete MSOT calibration of two or more port vector network analyzers.

MSO:

The 3-in-1 mechanical calibration kits combine an open, short and load in a compact unit for a complete MSO calibration of single port vector network analyzers.

The following tables show the complete range of Rosenberger compact calibration kits. For specific details refer to the technical datasheets in our online catalog:





Product Portfolio

MSOT (4-in-1) Compact Calibration Kits

50 Ω Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss	Thru Return Loss
64K30R-MSOTS3	female	4.3-10	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	≥ 38 dB	≥ 28 dB
64S30R-MSOTS3	male		6 GHz to 12 GHz	$\leq 4.0^\circ$	$\leq 3.0^\circ$	≥ 30 dB	≥ 25 dB
05K30R-MSOTS3	female	RPC-N	DC to 6 GHz	$\leq 2.0^\circ$	$\leq 1.5^\circ$	≥ 42 dB	≥ 40 dB
05S30R-MSOTS3	male		6 GHz to 9 GHz 9 GHz to 18 GHz	$\leq 3.0^\circ$ $\leq 4.0^\circ$	$\leq 2.0^\circ$ $\leq 2.5^\circ$	≥ 36 dB ≥ 30 dB	≥ 36 dB ≥ 32 dB
03K30R-MSOTS3	female	RPC-3.50	DC to 4 GHz	$\leq 1.0^\circ$	$\leq 1.0^\circ$	≥ 40 dB	≥ 34 dB
03S30R-MSOTS3	male		4 GHz to 8 GHz 8 GHz to 26.5 GHz	$\leq 2.0^\circ$ $\leq 3.0^\circ$	$\leq 2.0^\circ$ $\leq 3.0^\circ$	≥ 35 dB ≥ 30 dB	≥ 32 dB ≥ 30 dB
02K30R-MSOTS3	female	RPC-2.92	DC to 4 GHz	$\leq 1.5^\circ$	$\leq 1.5^\circ$	≥ 40 dB	≥ 32 dB
02S30R-MSOTS3	male		4 GHz to 26.5 GHz 26.5 GHz to 40 GHz	$\leq 4.0^\circ$ $\leq 5.0^\circ$	$\leq 4.0^\circ$ $\leq 5.0^\circ$	≥ 28 dB ≥ 25 dB	≥ 30 dB ≥ 28 dB

75 Ω Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss	Thru Return Loss
P5K30R-MSOTS3	female	RPC-N 75 Ω	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 2.5^\circ$	≥ 38 dB	≥ 36 dB
P5S30R-MSOTS3	male		4 GHz to 8 GHz 8 GHz to 12 GHz	$\leq 5.0^\circ$ $\leq 6.0^\circ$	$\leq 4.0^\circ$ $\leq 5.0^\circ$	≥ 32 dB ≥ 30 dB	≥ 27 dB ≥ 25 dB



MSO (3-in-1) Compact Calibration Kits

50 Ω Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss
60K34R-MSON3	female	7-16	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 3.0^\circ$	≥ 38 dB
60S34R-MSON3	male					
60K36R-MSON3	female	7-16	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 3.0^\circ$	≥ 38 dB
60S36R-MSON3	male					
64K36R-MSOS3	female	4.3-10	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	≥ 38 dB
64S36R-MSOS3	male					
65K36R-MSOS3	female	4.1-9.5	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	≥ 38 dB
65S36R-MSOS3	male					
53K36R-MSON3	female	N	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	≥ 38 dB
53S36R-MSON3	male					
53K38R-MSON3	female	N	DC to 6 GHz 6 GHz to 8 GHz	$\leq 3.0^\circ$ $\leq 5.0^\circ$	$\leq 2.0^\circ$ $\leq 4.0^\circ$	≥ 38 dB ≥ 35 dB
53S38R-MSON3	male					
05K30R-MSOS3	female	RPC-N	DC to 6 GHz 6 GHz to 9 GHz 9 GHz to 18 GHz	$\leq 2.0^\circ$ $\leq 3.0^\circ$ $\leq 3.0^\circ$	$\leq 1.5^\circ$ $\leq 2.0^\circ$ $\leq 2.5^\circ$	≥ 42 dB ≥ 36 dB ≥ 30 dB
05S30R-MSOS3	male					
03K30R-MSOS3	female	RPC-3.50	DC to 4 GHz 4 GHz to 8 GHz 8 GHz to 26.5 GHz	$\leq 1.0^\circ$ $\leq 2.0^\circ$ $\leq 3.0^\circ$	$\leq 1.0^\circ$ $\leq 2.0^\circ$ $\leq 3.0^\circ$	≥ 40 dB ≥ 35 dB ≥ 30 dB
03S30R-MSOS3	male					
02K30R-MSOS3	female	RPC-2.92	DC to 4 GHz 4 GHz to 26.5 GHz 26.5 GHz to 40 GHz	$\leq 1.5^\circ$ $\leq 4.0^\circ$ $\leq 5.0^\circ$	$\leq 1.5^\circ$ $\leq 4.0^\circ$ $\leq 5.0^\circ$	≥ 40 dB ≥ 28 dB ≥ 25 dB
02S30R-MSOS3	male					



MSO (3-in-1) Compact Calibration Kits

75 Ω Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss
P5K30R-MSOS3	female	RPC-N 75 Ω	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 2.5^\circ$	≥ 38 dB
P5S30R-MSOS3	male		4 GHz to 8 GHz 8 GHz to 12 GHz	$\leq 5.0^\circ$ $\leq 6.0^\circ$	$\leq 4.0^\circ$ $\leq 5.0^\circ$	≥ 32 dB ≥ 30 dB





Test, Measurement & Calibration

For further information refer to our website:
<http://www.rosenberger.com/calibration-kits>

Rosenberger

Hochfrequenztechnik GmbH & Co. KG

Hauptstraße 1 | 83413 Fridolfing

P.O. Box 1260 | 84526 Tittmoning

Germany

Phone +49 (0)8684 18-0

info@rosenberger.de

www.rosenberger.com

Certified by ISO/TS 16949 · DIN EN 9100 · ISO 9001 · ISO 14001

Order No.

pA 334093 · Info343CompCalKitPortfolio
1500/2016

Rosenberger® is a registered trademark by Rosenberger Hochfrequenztechnik GmbH & Co. KG.
All rights reserved.

© Rosenberger 2016