2-Port Calibration for SMPM Blindmate Connectors / 1 to 67 GHz

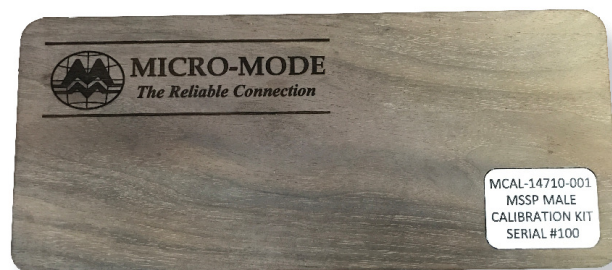MCAL-14710-001 (SMPM MALE CALIBRATION KIT USED WITH FEMALE DUT'S)
MCAL-14710-002 (SMPM FEMALE CALIBRATION KIT USED WITH MALE DUT'S)
MCAL-14710-003 (SMPM MALE TO FEMALE CALIBRATION KIT)

A precision calibration kit that mates directly with the interface of interest is essential to obtain accurate repeatable measurements.

Micro-Mode Products offers the industry's 1st Calibration Kit developed exclusively for SMPM series connectors built to Mil-Std-348/MIL-C-39012. This development was in response to a need in the industry for improved calibration accuracy above 50 GHz. Our MCAL-14710 cal kits offer accuracy and repeatability for 2-port calibration from 1 GHz to 67 GHz using the TRL/LRL calibration method. Precision adapters (SMPM to 1.85mm) are included in our standard calibration kit. Our calibration kit is also compatible with E-CAL calibration techniques.

Why use TRL/LRL method for calibration? Thru-Reflect-Line/Line-Reflect-Line methods allow accurate repeatable calibration over a broad frequency range by combining varying line lengths with a reflect standard on a two port configuration. It is also the most accurate method for frequencies above 50 GHz.

AS9100 CERTIFIED

Our SMPM TRL/LRL (Thru/Reflect/Line & Line/Reflect/Line) calibration kit includes adapters, reflect standard (i.e., short), line standards of various lengths, and tools to facilitate the use of this kit for these small (.069" line i.d.) precision interfaces. This combination allows this kit to accurately obtain s-parameter data for DUT's in the frequency range of 1 GHz to 67 GHz.

PART NUMBER: MCAL-14710-001

SMPM MALE CALIBRATION KIT USED WITH FEMALE DUT'S

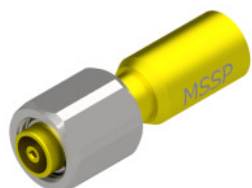| DESCRIPTION	PART NUMBER	QTY
ADAPTER, CAL KIT 1.85mm (F) TO SMPM (M)	MADP-14711	2
SMPM CAL KIT (SHORT FEMALE)	MSSP-14714	1
SMPM (F) TO (F) AIRLINE .3770	MSSP-14717-03770	1
SMPM (F) TO (F) AIRLINE .4520	MSSP-14717-04520	1
SMPM (F) TO (F) AIRLINE .7470	MSSP-14717-07470	1
SMPM (F) TO (F) AIRLINE 1.1810	MSSP-14717-11810	1
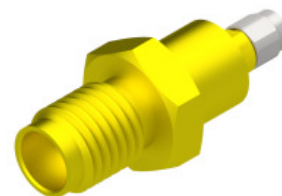
MADP-14711
1.85mm to SMPM
Adapter

MSSP-14714
SMPM Female Short

PART NUMBER: MCAL-14710-002

SMPM FEMALE CALIBRATION KIT USED WITH MALE DUT'S

| DESCRIPTION	PART NUMBER	QTY
ADAPTER, CAL KIT 1.85mm (F) TO SMPM (F)	MADP-14712	2
SMPM CAL KIT (SHORT MALE)	MSSP-15313	1
SMPM (M) TO (M) AIRLINE .3770	MSSP-14718-03770	1
SMPM (M) TO (M) AIRLINE .4520	MSSP-14718-04520	1
SMPM (M) TO (M) AIRLINE .7470	MSSP-14718-07470	1
SMPM (M) TO (M) AIRLINE 1.1810	MSSP-14718-11810	1

PART NUMBER: MCAL-14710-003

SMPM MALE TO FEMALE CALIBRATION KIT

DESCRIPTION	PART NUMBER	QTY
ADAPTER, CAL KIT 1.85mm (F) TO SMPM (M)	MADP-14711	1
ADAPTER, CAL KIT 1.85mm (F) TO SMPM (F)	MADP-14712	1
SMPM CAL KIT (SHORT FEMALE)	MSSP-14714	1
SMPM CAL KIT (SHORT MALE)	MSSP-15313	1
SMPM (M) TO (F) AIRLINE .3770	MSSP-15752-03770	1
SMPM (M) TO (F) AIRLINE .4250	MSSP-15752-04520	1
SMPM (M) TO (F) AIRLINE .7470	MSSP-15752-07470	1
SMPM (M) TO (F) AIRLINE 1.1810	MSSP-15752-11810	1
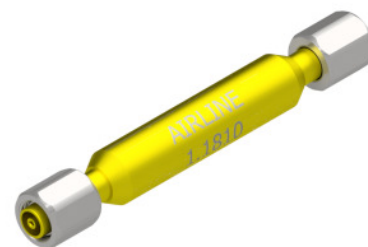
MSSP-14717-11810
SMPM Female Airline

Recommended for use with all Cal Kits:

Cal kits also available for Micro-Mode's MSSS series of connectors!

MMTL-15195
Network Analyzer Slide Table
with XYZ Micropositioner

www.micromode.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Micro-Mode](#):

[MCAL-14710-001](#) [MCAL-14710-003](#) [MCAL-14710-002](#)