

Milliohm Meter Calibration Resistor

FEATURES

- Compact, lightweight, portable and easy to operate
- Excellent performance versus cost
- Resistive pattern designed to minimize difference performance between AC and DC
- Certificate of Calibration and Inspection sheets traceable to NMIJ* are provided only for DC operation at shipment
 *NMIJ: National Metrology Institute of Japan

MASS AND SIZE

- Mass: 150g (0.33 lbs)
- Size: 50 D × 44 H × 65 W mm

CUSTOMIZED SPECIFICATIONS

Available for any customized resistance value.
 Contact to our sales for more details.

DESCRIPTION

The MSR series is a standard resistor whose internal construction and terminals are designed to optimize AC characteristics and minimize the effect of thermo-



electromotive force, respectively. The MSR is a compact suitable standard resistor for daily calibration of milliohm meters, etc. Although the MSR series is a low cost, easy to use product, it offers both high stability and low temperature coefficient. The MSR is most suitable as a standard resistor to be used on the job site.

SPECIFICATIONS										
Series	Nominal Value	Accuracy	Temp. Coefficient	AC Characteristics 1kHz (Ref. Value)	Stability	Power Rating	Max. Working Temp.	Max. Working Current	Max. Working Voltage	Working Temp. Range
MSR-1N0	1 mΩ	500	±15	±0.3	±25	0.1	50	10.0	10.0	0~50
MSR-10N	10 mΩ		±10	±0.1				3.16	31.6	
MSR-R10	100 mΩ		±5					1.00	100	



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.