

TMDRA 100

Technical Data



© OMICRON electronics GmbH 2015. All rights reserved.

This technical data was extracted from the following manual: TMDRA100.AE.1

All rights including translation reserved. Reproduction of any kind, for example, photocopying, microfilming, optical character recognition and/or storage in electronic data processing systems, requires the explicit consent of OMICRON.

The document content represents the technical status at the time of writing and is subject to change without prior notice.

We have done our best to ensure that the information given in this document is useful, accurate and entirely reliable. However, OMICRON does not assume responsibility for any inaccuracies which may be present.

OMICRON translates this document from the source language English into a number of other languages. Any translation of this document is done for local requirements, and in the event of a dispute between the English and a non-English version, the English version of this document shall govern.

1 Technical data

1.1 Specifications

Table 1-1 TMDRA 100 Specifications

Characteristic	Typical Rating at 25 °C
CH 1 at 50 Hz :	
Tanδ	0.004
Capacity	20.3 nF
CH 2 at 50 Hz:	
Tanδ	0.007
Capacity	20.4 nF
CH 1 at 0.1 Hz:	
Tanδ	0.409
Capacity	21.0 nF
CH 2 at 0.1 Hz:	
Tanδ	1.026
Capacity	30.1 nF
Input voltage	±200 V _{peak}

1.2 Environmental conditions

Table 1-2 Climate

Characteristic	Rating
Temperature	Operating -10...+55 °C (+14...+131 °F)
	Storage and transportation -20...+70 °C (-4...+158 °F)
Max. altitude	2000 m
Relative humidity	5...95%; no condensation Tested according to IEC 60068-2-78

1.3 Mechanical data

Table 1-3 Mechanical Data

Characteristic	Rating
Dimensions (W x H x D)	115 x 70 x 30 mm (4.5 x 2.8 x 1.2")
Weight	177 g (0.4 lb)

1.4 CE conformity and safety standards

Table 1-4 CE Conformity and Safety Standards

CE Conformity	
The product adheres to the specifications of the guidelines of the Council of the European Community for meeting the requirements of the member states regarding the low-voltage Directive 2006/95/EC.	
Certified Safety Standards	
Europe	EN 61010-1
International	IEC 61010-1
USA	UL 61010-1

1.5 Cleaning



Warning: Prior to cleaning disconnect the *TMDRA 100*.

To clean the *TMDRA 100*, use a cloth dampened with isopropanol alcohol or water.