# DMS-20PC-3-DCM

# +2 to +11Vdc, Self-Powered LED Display, DC Voltage Monitor



# **FEATURES**

- Self-powered, only two connections required
- +2.00 to +11.00Vdc input range 0.01V resolution; ±0.05% accuracy

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**Murata Power Solutions** 

- Ideal for low-voltage (3.3V) power supply monitoring
- Digital replacement for analog panel meters
- 0.37"/9.4mm, bright red, LED display
- Subminiature 1.38" x 0.88" x 1.0" package
- Super reliable, epoxy-encapsulated construction
- Reverse polarity protected
- -25 to +60°C temperature range
- Low power consumption

#### **Functional Specifications**

### Input

Voltage Range ① **Current Consumption** @Vin = 2/3/5/9Vdc**Reverse Polarity Protection** 

+2.00 to +11.00Vdc 55/30/17/10mA (max.)

15V (max.)

2.5 readings/second

#### Mechanical

Performance

Sampling Rate

Accuracy @ +25°C

(-25 to +60°C)

**Temperature Drift** 

Resolution

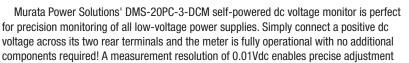
Dimensions Display Type Weight Case Material 6-32 screw torque

#### Environmental

**Operating Temperature** Storage Temperature Humidity (Non-condensing)

① Operation and accuracy at inputs above or below this range are not specified.

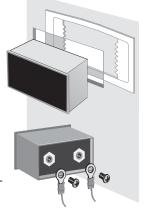




of power supply outputs. The large, 0.37"/9.4mm, bright red, LED display, unlike most LCD's, can be easily read from 15 feet away under virtually any lighting conditions. Built-in reverse polarity protection assures quick, trouble-free installation.

The DMS-20PC-3-DCM utilizes a high-resolution, 3 digit analog-to-digital converter and precision metal-film resistors to achieve outstanding performance over its operating temperature range of -25 to +60°C. A rugged, epoxyencapsulated, polycarbonate case provides excellent protection against moisture, shock and vibration.

The DMS-20PC-3-DCM uses the same panel cutout dimensions as all DMS-20 Series panel voltmeters and monitors; this feature assures uniform displays in multiple-meter applications.



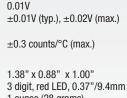
Typical panel mount installation and suggested wiring (user supplied)

### **Ordering Information**

DMS-20PC-3-DCM-C DMS-20-CP-C DMS-BZL3-C DMS-BZL4-C

+2.00 to +11.00V dc voltage monitor Panel cutout punch Panel mount bezel assembly Panel mount bezel with sealing gasket

Brass screws (6-32 thread) and a panel-mount retaining clip are supplied with each meter



1 ounce (28 grams) Polycarbonate 6-8 in-lb (0.7 - 0.9N-m)

-25 to +60°C -40 to +75°C

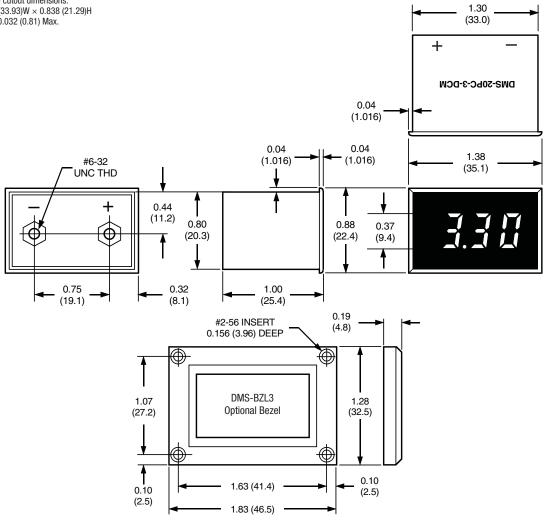
0 to 95%



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# **MECHANICAL SPECIFICATIONS**



Murata Power Solutions, Inc. 11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. ISO 9001 and 14001 REGISTERED



This product is subject to the following operating requirements and the Life and Safety Critical Application Sales Policy: Refer to: http://www.murata-ps.com/requirements/

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