



FEATURES

- Self-powered, only two connections required
- +2.00 to +11.00Vdc input range
- 0.01V resolution; $\pm 0.05\%$ accuracy
- 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 $+60^\circ\text{C}$ temperature range
- Low power consumption

Functional Specifications

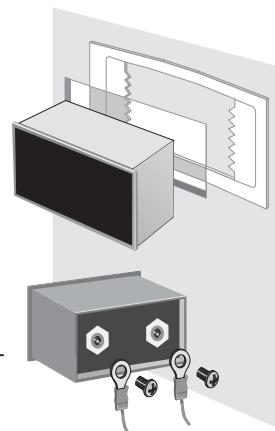
Input	
Voltage Range ①	+2.00 to +11.00Vdc
Current Consumption @ $V_{in} = 2/3/5/9\text{Vdc}$	55/30/17/10mA (max.)
Reverse Polarity Protection	15V (max.)
Performance	
Sampling Rate	2.5 readings/second
Resolution	0.01V
Accuracy @ $+25^\circ\text{C}$	$\pm 0.01\text{V}$ (typ.), $\pm 0.02\text{V}$ (max.)
Temperature Drift (-25 to $+60^\circ\text{C}$)	$\pm 0.3 \text{ counts}/^\circ\text{C}$ (max.)
Mechanical	
Dimensions	1.38" x 0.88" x 1.00"
Display Type	3 digit, red LED, 0.37"/9.4mm
Weight	1 ounce (28 grams)
Case Material	Polycarbonate
6-32 screw torque	6-8 in-lb (0.7 – 0.9N-m)
Environmental	
Operating Temperature	-25 to $+60^\circ\text{C}$
Storage Temperature	-40 to $+75^\circ\text{C}$
Humidity (Non-condensing)	0 to 95%

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

DATEL's DMS-20PC-3-DCM self-powered dc voltage monitor is perfect for precision monitoring of all low-voltage power supplies. Simply connect a positive dc voltage across its two rear terminals and the meter is fully operational with no additional components required! A measurement resolution of 0.01Vdc enables precise adjustment 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 $+60^\circ\text{C}$. A rugged, epoxy-encapsulated, 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	+2.00 to +11.00V dc voltage monitor
DMS-20-CP-C	Panel cutout punch
DMS-BZL3-C	Panel mount bezel assembly
DMS-BZL4-C	Panel mount bezel with sealing gasket

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



For full details go to
www.murata-ps.com/rohs

MECHANICAL SPECIFICATIONS

Dimensions in inches (millimeters)

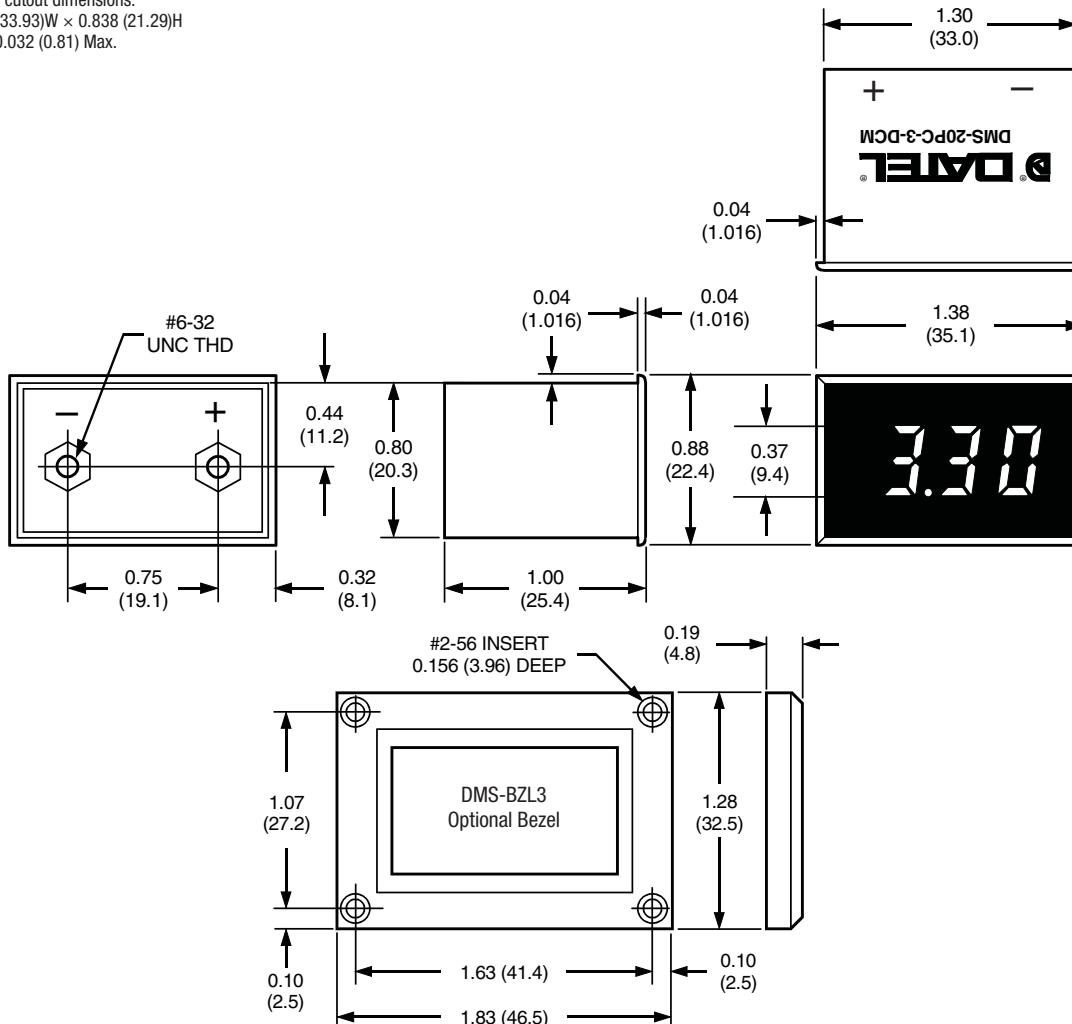
Tolerances: 2 PL Dec ± 0.02 (± 0.51)

3 PL Dec ± 0.010 (± 0.254)

Recommended panel cutout dimensions:

1.336 (33.93)W \times 0.838 (21.29)H

Internal corner radii 0.032 (0.81) Max.



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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибуторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ Р В 0015-002 и ЭС РД 009

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