



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Discontinued



FEATURES

- Self-powered, only two connections required
- -4.5 to -20Vdc, -18 to -50Vdc, and -30 to -264Vdc models
- Can be used with positive-reading DMS-20PC-DCM's
- Ultra-low power consumption (8mA typ.)
- 0.37"/9.4mm high, bright red, LED displays
- Subminiature 1.38" x 0.88" x 1.0" packages

Functional Specifications

Input

Voltage Range: ①

DMS-20PC-4-DCM	-4.50 to -19.99Vdc
DMS-20PC-5-DCM	-18.0 to -50.0Vdc
DMS-20PC-6-DCM	-30 to -264Vdc

Current Consumption:

DMS-20PC-4/5-DCM	13mA (max.)
DMS-20PC-6-DCM	7mA (max.)

Performance

Sampling Rate 2.5 readings/second

Resolution:

DMS-20PC-4-DCM	±0.01V
DMS-20PC-5-DCM	±0.1V
DMS-20PC-6-DCM	±1V

Accuracy @ +25°C:

DMS-20PC-4-DCM	±0.01V (typ.), ±0.03V (max.)
DMS-20PC-5-DCM	±0.1V (typ.), ±0.2V (max.)
DMS-20PC-6-DCM	±1V (typ.), ±2V (max.)

Mechanical

Dimensions 1.38" x 0.88" x 1.00"

Display Type 3 & 3½ 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°C

Storage Temperature -40 to +75°C

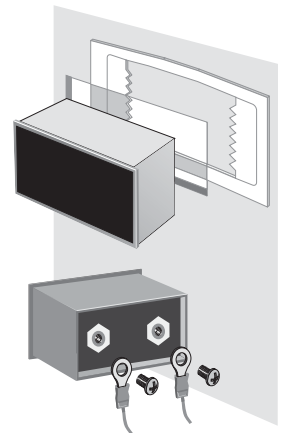
Humidity (Non-condensing) 0 to 95%

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

Murata Power Solutions' DMS-20PC-DCM Series of self-powered, negative-reading, dc voltage monitors are great replacements for older, hard-to-read, analog meters. Simply connect a negative voltage across the rear terminals and the meters are fully operational! Negative-input DCM's can be easily combined with positive-reading DMS-20PC-DCM's for monitoring dual-polarity power supplies.

Three versions are available: one for -4.50 to -19.99Vdc (0.01V resolution), one for -18.0 to -50.0Vdc (0.1V resolution), and one for -30 to -264Vdc (1V resolution). Their large, 0.37"/9.4mm, bright red LED displays can be easily read from 15 feet away. Built-in reverse polarity protection assures simple, trouble-free installation.

All DMS-20PC-DCM's employ a high-resolution, 3½ digit A/D converter and precision metal-film resistors to achieve outstanding performance over an operating temperature range of -25 to +60°C. A rugged, epoxy-encapsulated, polycarbonate case provides excellent protection against moisture, shock and vibration.



Typical panel mount installation and suggested wiring (user supplied)

Ordering Information

DMS-20PC-4-DCM-C	-4.50 to -19.99V dc voltage monitor
DMS-20PC-5-DCM-C	-18.0 to -50.0V dc voltage monitor
DMS-20PC-6-DCM-C	-30 to -264V dc voltage monitor
DMS-20-CP	Panel cutout punch
DMS-BZL3-C	Panel mount bezel assembly
DMS-BZL4-C	Panel mount bezel with sealing gasket

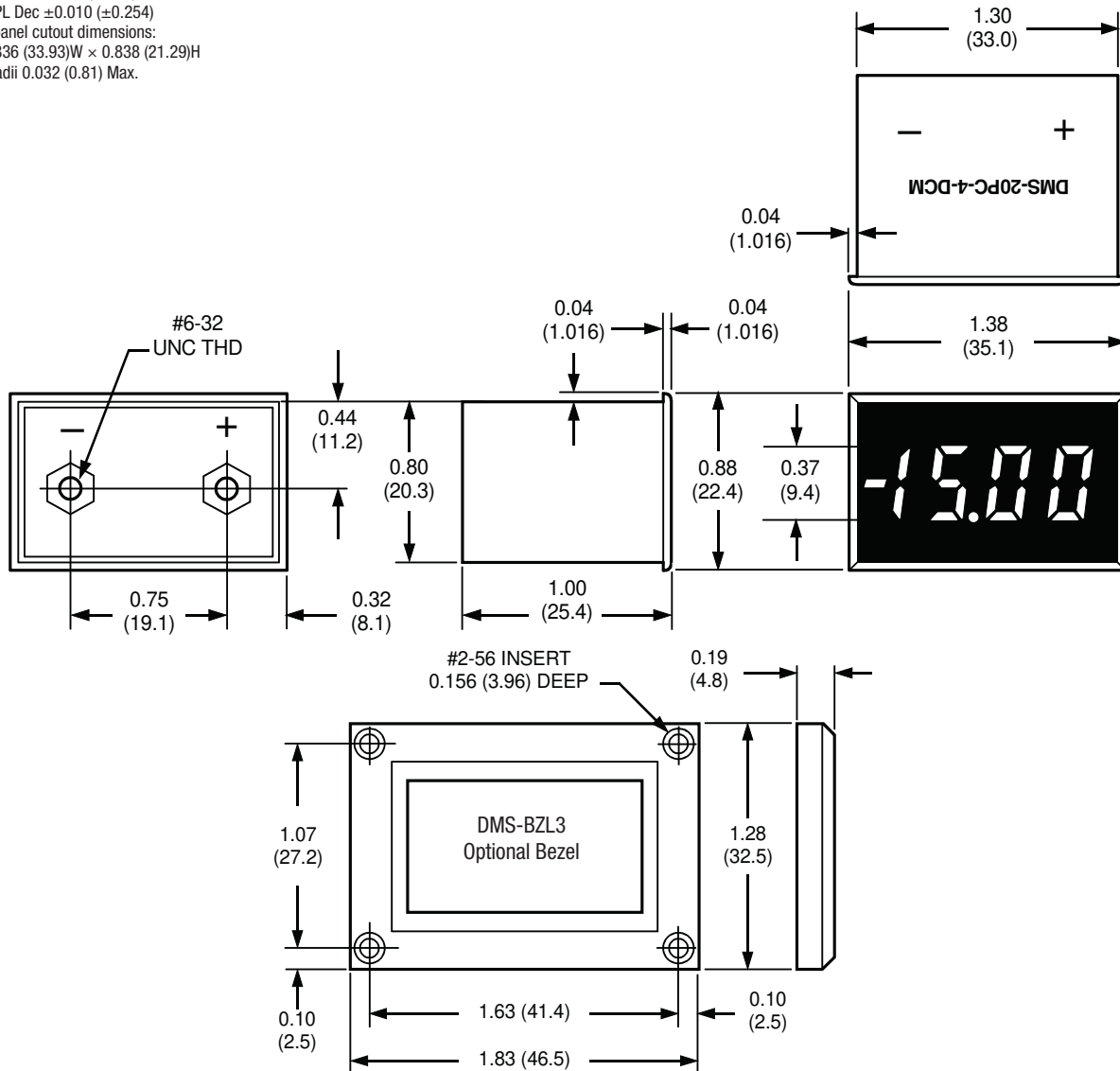
Brass screws (6-32 thread) and a panel-mount retaining clip are supplied with each meter



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

Self-Powered LED Display, Negative Input DC Voltage Monitor

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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 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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