

PISTONCAP® PRECISION TRIMMER CAPACITORS

Engineering Bulletin SG-205B Contents

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PISTONCAP® Trimmer Capacitors (Unsealed)

Printed Circuit Mount

- [Standard Glass Dielectric, Hi-Range Glass Dielectric, and Quartz Dielectric Capacitance Ranges](#) (External Electrode/Annular Band Models)
- [Expanded Capacitance Ranges](#) (Embedded Band/Electrode Models)

Panel Mount

- [Standard Glass Dielectric, Hi-Range Glass Dielectric, and Quartz Dielectric Capacitance Ranges](#) (External Electrode/Annular Band Models)
- [Expanded Capacitance Ranges](#) (Embedded Band/Electrode Models)
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- [Differential Capacitors](#)

Surface Mount

- [Vertical](#) (External and Embedded Electrode Models)
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PISTONCAP® Trimmer Capacitors (Sealed)

Printed Circuit Mount

- [Standard Glass Dielectric, Hi-Range Glass Dielectric, and Quartz Dielectric Capacitance Ranges](#) (External Electrode/Annular Band Models)
- [Expanded Capacitance Ranges](#) (Embedded Band/Electrode)
- [Direct Traverse Capacitance Ranges](#) (Shortest Models)

Panel Mount

- [Standard Glass Dielectric, Hi-Range Glass Dielectric, and Quartz Dielectric Capacitance Ranges](#) (External Electrode/Annular Band Models)
- [Expanded Capacitance Ranges](#) (Embedded Band/Electrode Models)
- [High Voltage Quartz Capacitors](#)
- [High RF Voltage Quartz Capacitors](#)

Surface Mount

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**SPRAGUE
GOODMAN**

- [Horizontal](#) (External and Embedded Electrodes)
- [Vertical](#) (External and Embedded Electrodes)
- [Direct Traverse Capacitance Ranges](#) (Shortest Models)

Design Details

Military Approvals

Part Numbering System

Custom PISTONCAP® Capacitor Designs

MILITARY APPROVALS

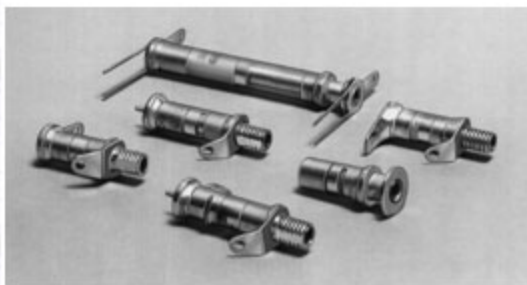
PISTONCAP® Precision Trimmer Capacitors are approved to Military Specification MIL-C-14409D, Styles PC35, PC37, PC38, PC39, PC40, PC41, PC42, PC43, PC48, PC50, PC51, and PC52 in all characteristics and values, and are listed on the Qualified Products List (QPL) for this specification. In Canada, these capacitors have been approved by the Department of National Defense in accordance with the terms of the US-Canada agreement for qualification of products of nonresident manufacturers. In the United Kingdom, these capacitors have been approved by the Ministry of Defense (DCVD) in accordance with the provisions of STANAG 4093, while in Germany they have been approved by the Bundesamt für Wehrtechnik und Beschaffung (BWB) for the G-QPL in accordance with STANAG 4093.

CUSTOM PISTONCAP® CAPACITOR DESIGNS

There are many possible design variations utilizing PISTONCAP® technology. "Standard" modifications have been developed to cover the more popular design variations. The dual electrode band models (differential) and split electrode band models (split stator) are also available in any of the standard or modified mechanical designs shown for the single electrode models.

PISTONCAP® capacitors are conservatively rated for both minimum and maximum capacitance. Therefore, units with a larger guaranteed range can be manufactured on special order.

The photo below shows some of the special leads, lugs, and combinations of leads and lugs available on Sprague-Goodman PISTONCAP® capacitors. These, in addition to other possibilities, afford the design engineer a wide selection of mounting and attachment styles for special packaging requirements.



Custom Capacitor Designs

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