

# CTR

For stringent requirements

## TYPE PPSRRB



# Film and Foil Polystyrene Capacitors

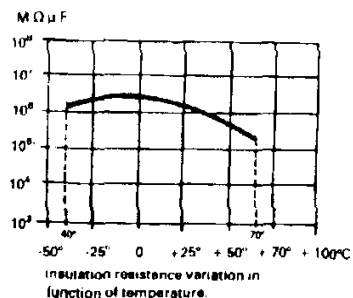
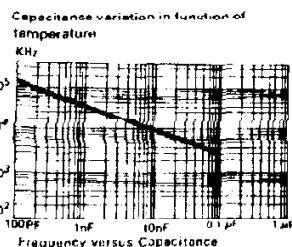
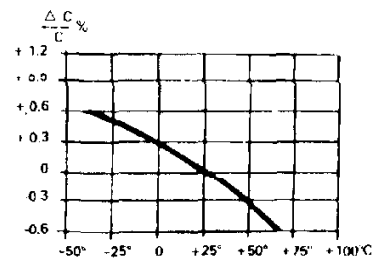
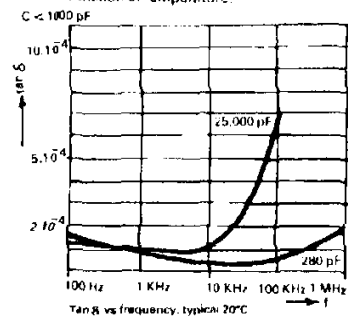
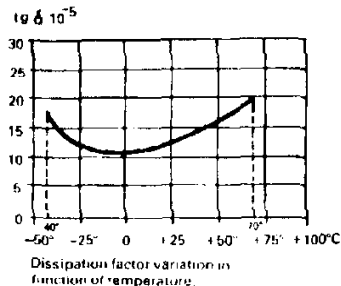
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### Description:

Polystyrene Capacitor of extended foil construction. Leads are soldered directly onto the metal foil to provide excellent contact between the electrodes and the terminals. Epoxy resin encapsulated under vacuum in a plastic box. Compact, ideally suited for printed circuit board applications where capacitance stability, high insulation resistance and low losses at high frequency are required.

### Technical Data:

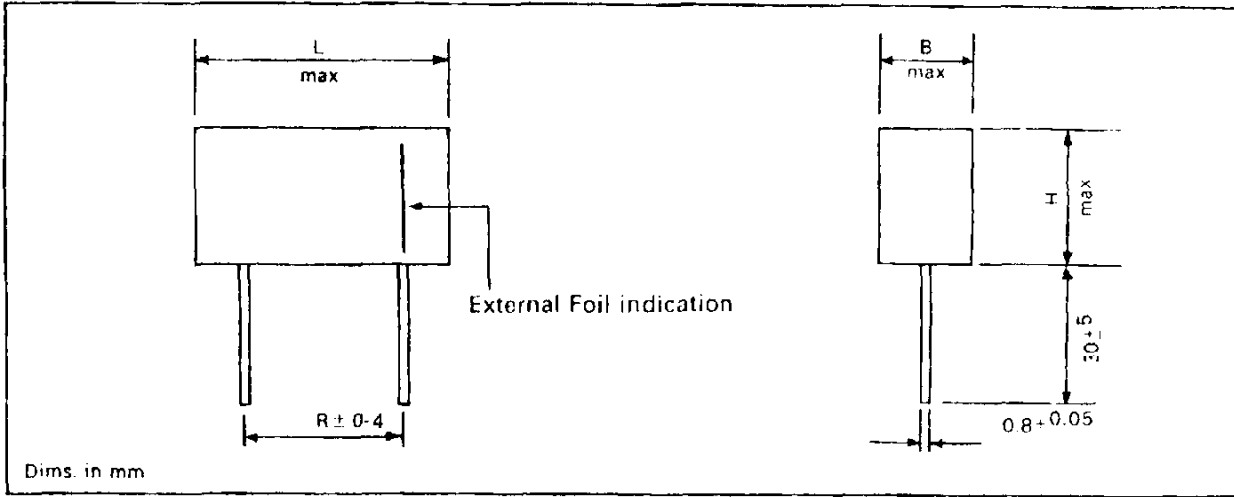
|                                 |   |
|---------------------------------|---|
| Dielectric:                     | Polystyrene   |
| Capacitor Electrodes:           | Metal Foil  |
| Encapsulation:                  | Plastic Box sealed with epoxy resin under vacuum  |
| Temperature Range:              | -55° C to +70° C  |
| Insulation Resistance at 20° C: | Capacitance<br>≤ 0.1 μF ≥ 5 × 10 <sup>6</sup> Megohms<br>> 0.1 μF ≥ 5 × 10 <sup>4</sup> Secs                      |
| Power Factor:                   | Capacitance<br>≤ 1000 pF ≤ 10 × 10 <sup>-4</sup> at 1 MHz<br>> 1000 pF ≤ 5 × 10 <sup>-4</sup> at 1 KHz            |
| Long term stability:            | ≤ ± 0.5% over 2 years for temperature range (+ 23 ± 5)° C All Capacitors are stabilised by thermal ageing cycles. |
| Reference standard:             | JSS publication 50211 CQY 03  |
| Capacitance Tolerance:          | ± 1%, ± 2.5%, ± 5% and close tolerance on request.  |
| Test voltage:                   | 2.5 × Rated Voltage   |
| Climatic category:              | 55/70/56  |
| Temperature Coefficient:        | - (120 ± 50) ppm per degree C   |
| Cross reference:                | Arcotronics KS 1.38   |



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AMED 04  
JULY 98

## Dimensions



## General Data

| Capacity<br>in<br>pF | 63 VDC |      |      |      | 100 VDC |      |      |      | 200 VDC |      |      |      |
|----------------------|--------|------|------|------|---------|------|------|------|---------|------|------|------|
|                      | R      | L    | H    | R    | B       | L    | H    | R    | B       | L    | H    | R    |
| 1,000                |        |      |      |      |         |      |      |      | 6       | 14.5 | 7    | 10.2 |
| 1,500                |        |      |      |      |         |      |      |      | 6       | 14.5 | 7    | 10.2 |
| 2,200                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 2,700                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 3,300                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 3,900                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 4,700                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 5,600                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 6,800                | 7      | 16.5 | 8.5  | 12.7 | 6       | 14.5 | 7    | 10.2 | 7       | 19   | 8    | 15.2 |
| 8,200                | 7      | 16.5 | 8.5  | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 10,000               | 9      | 16.5 | 10.5 | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 15,000               | 9      | 16.5 | 10.5 | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 22,000               | 11     | 16.5 | 12.5 | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 27,000               | 11     | 16.5 | 12.5 | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 33,000               | 11     | 16.5 | 12.5 | 12.7 | 7       | 19   | 8    | 15.2 | 8.5     | 29.5 | 10   | 25.4 |
| 39,000               | 13     | 16.5 | 13   | 12.7 | 8.5     | 29.5 | 10   | 25.4 | 8.5     | 29.5 | 10   | 25.4 |
| 47,000               | 13     | 16.5 | 13   | 12.7 | 8.5     | 29.5 | 10   | 25.4 | 8.5     | 29.5 | 10   | 25.4 |
| 56,000               | 16.5   | 26.0 | 13   | 22.9 | 8.5     | 29.5 | 10   | 25.4 | 10      | 29.5 | 12   | 25.4 |
| 68,000               | 16.5   | 26.0 | 13   | 22.9 | 8.5     | 29.5 | 10   | 25.4 | 10      | 29.5 | 12   | 25.4 |
| 82,000               | 16.5   | 26.0 | 13   | 22.9 | 8.5     | 29.5 | 10   | 25.4 | 13.5    | 29.5 | 14.5 | 25.4 |
| 100,000              | 16.5   | 26.0 | 13   | 22.9 | 10      | 29.5 | 12   | 25.4 | 13.5    | 29.5 | 14.5 | 25.4 |
| 150,000              |        |      |      |      | 10      | 29.5 | 12   | 25.4 |         |      |      |      |
| 220,000              |        |      |      |      | 13.5    | 29.5 | 14.5 | 25.4 |         |      |      |      |
| 250,000              |        |      |      |      | 13.5    | 29.5 | 14.5 | 25.4 |         |      |      |      |

## Order Information

