



Click [here](#) for the 3D model.

#### General Information

|                          |                          |
|--------------------------|--------------------------|
| Series                   | F871                     |
| Dielectric               | Metallized Polypropylene |
| Style                    | Radial                   |
| Features                 | MKP EMI Safety           |
| RoHS                     | Yes                      |
| Termination              | Cut (Tinned Wire)        |
| Lead                     | Cut/Short                |
| Safety Class             | X1                       |
| Qualifications           | ENEC, UL, cUL, CQC       |
| AEC-Q200                 | No                       |
| Typical Component Weight | 1.375 g                  |
| Miscellaneous            | ClimCat: 40/110/56/C.    |
| Shelf Life               | 104 Weeks                |

#### Dimensions

|    |                 |
|----|-----------------|
| L  | 13mm -0.5mm     |
| H  | 7.5mm -0.5mm    |
| T  | 9.5mm -0.5mm    |
| S  | 10mm +/-0.4mm   |
| LL | 4mm +2mm        |
| F  | 0.6mm +/-0.05mm |
| G  | 0.5mm NOM       |

#### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1100      |

#### Specifications

|                       |              |
|-----------------------|--------------|
| Capacitance           | 6,800 pF     |
| Tolerance             | 20%          |
| Voltage DC            | 800 VDC      |
| Voltage AC            | 330 VAC (X1) |
| Temperature Range     | -40/+110°C   |
| Rated Temperature     | 110°C        |
| Dissipation Factor    | 0.3% 1kHz    |
| Insulation Resistance | 30 GOhms     |
| Max dV/dt             | 500 V/us     |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.