

## R76PF1680JB00K

Aliases (76PF1680JB00K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 6800 pF, 10%, 630 VDC, 85°C, Lead Spacing = 10mm



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

| Dimensions |                  |
|------------|------------------|
| L          | 13mm +0.2/-0.5mm |
| H          | 9mm +0.1/-0.5mm  |
| T          | 4mm +0.2/-0.5mm  |
| S          | 10mm +/-0.4mm    |
| LL         | 3.5mm +0.5mm     |
| F          | 0.6mm +/-0.05mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 2000      |

| General Information |                                 |
|---------------------|---------------------------------|
| Series              | R76                             |
| Dielectric          | Double Metallized Polypropylene |
| Style               | Radial                          |
| Features            | Automotive Grade, Pulse         |
| RoHS                | Yes                             |
| Lead                | Cut                             |
| Qualifications      | AEC-Q200                        |
| AEC-Q200            | Yes                             |

| Specifications        |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 6800 pF                               |
| Capacitance Tolerance | 10%                                   |
| Voltage AC            | 400 VAC                               |
| Voltage DC            | 630 VDC                               |
| Temperature Range     | -55/+110°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz  |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 4000 V/us                             |
| Resistance            | 93.62 mOhms (100kHz)                  |
| Ripple Current        | 1.6 Amps (100kHz 85C), 27 Amps (Peak) |
| Inductance            | 9 nH                                  |