

## F461KE183K160R

Not for New Design

F461, Film, Metallized Polypropylene, General Purpose, 0.018 uF, 10%, 160 VDC, 85°C, 7.5 mm



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

### General Information

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| Series                   | F461                                                                                          |
| Dielectric               | Metallized Polypropylene                                                                      |
| Style                    | Radial                                                                                        |
| Features                 | MKP, Pulse                                                                                    |
| RoHS                     | Yes                                                                                           |
| Termination              | Tinned Wire                                                                                   |
| Lead                     | Wire Leads                                                                                    |
| AEC-Q200                 | No                                                                                            |
| Typical Component Weight | 0.437 g                                                                                       |
| Miscellaneous            | The Rated Voltage Decreases 2%/C Between +85C And +105C (1.25%/C For AC). ClimCat: 55/105/56. |
| Notes                    | Series Replaced by R75.                                                                       |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.018 uF                              |
| Tolerance             | 10%                                   |
| Voltage DC            | 160 VDC, 96 VDC (105C)                |
| Voltage AC            | 90 VAC                                |
| Temperature Range     | -55/ +105°C                           |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 300 V/us                              |
| Inductance            | 6 nH                                  |

### Dimensions

|    |                   |
|----|-------------------|
| L  | 10mm -0.5mm       |
| H  | 6mm -0.5mm        |
| T  | 2.5mm -0.5mm      |
| S  | 7.5mm +0.6/-0.1mm |
| H0 | 18.5mm +/-0.5mm   |
| F  | 0.6mm +/-0.05mm   |
| G  | 0.5mm NOM         |

### Packaging Specifications

|                    |                         |
|--------------------|-------------------------|
| Packaging          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 3500                    |

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