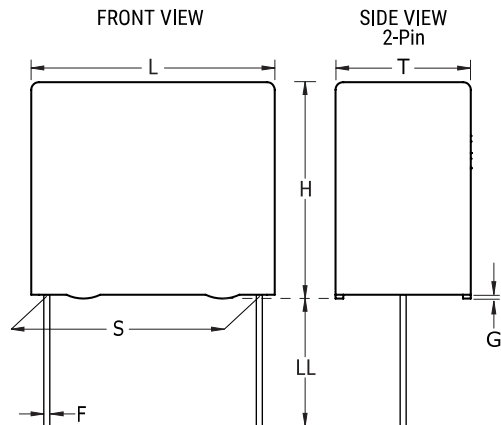


## F461RD685J400Z

Not for New Design

F461, Film, Metallized Polypropylene, General Purpose, 6.8 uF, 5%, 400 VDC, 85°C, 37.5 mm



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

### General Information

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| Series                   | F461                                                                                          |
| Dielectric               | Metallized Polypropylene                                                                      |
| Style                    | Radial                                                                                        |
| Features                 | MKP, Pulse                                                                                    |
| RoHS                     | Yes                                                                                           |
| Termination              | Cut (Tinned Wire)                                                                             |
| Lead                     | Cut/Short                                                                                     |
| AEC-Q200                 | No                                                                                            |
| Typical Component Weight | 28 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.                                                                       |

### Dimensions

|    |                 |
|----|-----------------|
| L  | 41mm -0.7mm     |
| H  | 32mm -0.7mm     |
| T  | 19mm -0.7mm     |
| S  | 37.5mm +/-0.5mm |
| LL | 4mm +2mm        |
| F  | 1mm +/-0.05mm   |
| G  | 0.5mm NOM       |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | Pizza, Box |
| Packaging Quantity | 119        |

### Specifications

|                       |                         |
|-----------------------|-------------------------|
| Capacitance           | 6.8 uF                  |
| Tolerance             | 5%                      |
| Voltage DC            | 400 VDC, 240 VDC (105C) |
| Voltage AC            | 220 VAC                 |
| Temperature Range     | -55/ +105°C             |
| Rated Temperature     | 85°C                    |
| Dissipation Factor    | 0.1% 1kHz               |
| Insulation Resistance | 4.412 GOhms             |
| Max dV/dt             | 70 V/us                 |
| Inductance            | 6 nH                    |

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