

**KEMET Part Number: MMK7.5682K50K00L16.5TR16**  
(F601KE682K050K, MMK7,5682K50K00L16,5TR16)



MMK/F601, Film, Metallized Polyester, General Purpose, 6800 pF, 10%, 50 VDC, 85°C, Lead Spacing = 7.5mm



| General Information |  |
|---------------------|--|
| Series:             | MMK/F601   |
| Dielectric:         | Metallized Polyester   |
| Style:              | Radial   |
| Features:           | DC Multipurpose Applications   |
| RoHS:               | Yes  |
| Lead:               | Wire Leads   |
| AEC-Q200:           | No   |
| Notes:              | Not For New Design, Please Check Possible Alternative Parts (AltPart). |

| Dimensions     |                   |
|----------------|-------------------|
| L              | 10mm MAX          |
| H              | 6mm MAX           |
| T              | 2.5mm MAX         |
| S              | 7.5mm +0.6/-0.1mm |
| H <sub>0</sub> | 16mm NOM          |
| F              | 0.6mm NOM         |

| Specifications         |                                  |
|------------------------|----------------------------------|
| Capacitance:           | 6800 pF                          |
| Capacitance Tolerance: | 10%                              |
| Voltage AC:            | 30 VAC                           |
| Voltage DC:            | 50 VDC, 38.8 VDC (100C)          |
| Temperature Range:     | -55/+100°C                       |
| Rated Temperature:     | 85°C                             |
| Dissipation Factor:    | 0.8% 1kHz, 1.5% 10kHz, 3% 100kHz |
| Insulation Resistance: | 15 GOhms                         |
| Max dV/dt:             | 5 V/us                           |
| Inductance:            | 6 nH                             |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging:               | T&R  |
| Packaging Quantity:      | 2500 |

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