

**KEMET Part Number: MMK5682M50J01L16.5TA16**  
(F601JF682M050Q, MMK5682M50J01L16,5TA16)

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MMK/F601, Film, Metallized Polyester, General Purpose, 6800 pF, 20%, 50 VDC, 85°C, Lead Spacing = 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          | 7.2mm MAX       |
| H          | 6.5mm MAX       |
| T          | 2.5mm MAX       |
| S          | 5mm +0.6/-0.1mm |
| H0         | 16mm NOM        |
| F          | 0.5mm NOM       |

| Specifications         |                                    |
|------------------------|------------------------------------|
| Capacitance:           | 6800 pF                            |
| Capacitance Tolerance: | 20%                                |
| 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, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance: | 15 GOhms                           |
| Max dV/dt:             | 12 V/us                            |
| Inductance:            | 6 nH                               |

| Packaging Specifications |                         |
|--------------------------|-------------------------|
| Packaging:               | Ammo, 330x330x50mm, Box |
| Packaging Quantity:      | 5000                    |

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