

**KEMET Part Number: SMC10.2684J50A31TR16**  
(F125WP684J050V, SMC100ZA6680JA31T1)

Film, Metallized PPS, Commercial Grade, SMC/F125, 0.68 uF, 5%, 50 V, 30 V, 100C, 4036, 5.5mm



Note: '()' correspond to the letters used in the product bulletin

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 4036            |
| L          | 10.2mm +/-0.2mm |
| W          | 9.1mm +/-0.2mm  |
| T          | 5.5mm +/-0.2mm  |
| F          | 0.5mm NOM       |

| Packaging Specifications |     |
|--------------------------|-----|
| Packaging:               | T&R |
| Packaging Quantity:      | 800 |

| General Information |                |
|---------------------|----------------|
| Dielectric:         | Metallized PPS |
| Style:              | SMD Chip       |
| Series:             | SMC/F125       |
| Features:           | High Stability |
| RoHS:               | Yes            |
| Approvals:          | AEC-Q200       |
| AEC-Q200:           | Yes            |

| Specifications         |                                      |
|------------------------|--------------------------------------|
| Capacitance:           | 0.68 uF                              |
| Capacitance Tolerance: | 5%                                   |
| Voltage DC:            | 50 VDC                               |
| Voltage AC:            | 30 V                                 |
| Temperature Range:     | -55/+125C                            |
| Rated Temperature:     | 100C                                 |
| Dissipation Factor:    | 0.15% 1kHz, 0.25% 10kHz, 0.6% 100kHz |
| Insulation Resistance: | 7.3529 GOhms                         |
| Max dVdt:              | 4 V                                  |