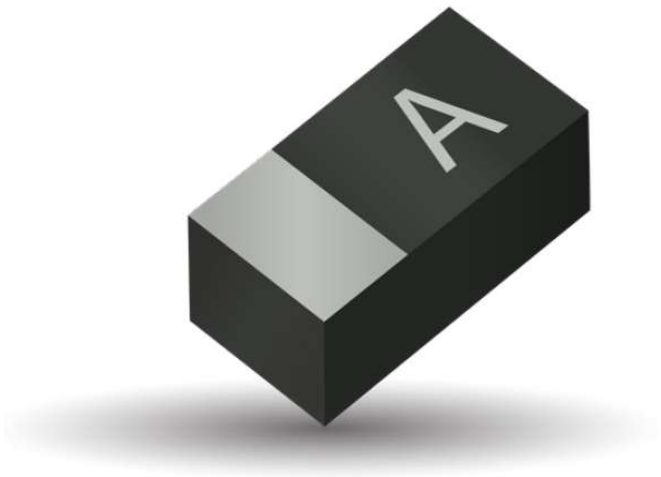
# F98-AJ6 Series --- F981A475MMAAJ6

Resin-Molded Chip, High CV Facedown – Automotive Range

## PRODUCT SPECIFICATIONS :

| | | |
|---|---|---|
| Nominal Capacitance @ 120Hz | 4.7 µF | |
| Capacitance Tolerance | M = ±20% | |
| Rated Voltage DC ($V_R$) | < 85°C | 10 V |
| Category Voltage DC ($V_C$) | < 125°C | 6.3 V |
| Surge Voltage ($V_S$) | < 85°C | 13 V |
| Temperature Range | -55°C to +125°C | |
| DC Leakage Current max. @ $V_R$ | 0.5 µA | |
| Dissipation Factor max. @ 120Hz | 12 % | |
| ESR max. @ 100kHz | 6 Ω | |
| Typical weight (M case) | 6 mg | |
| Moisture sensitivity level: | MSL 3 | |




LEAD-FREE
LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +20°C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 1.5V, DC Leakage Current is measured at rated voltage after 5 minutes

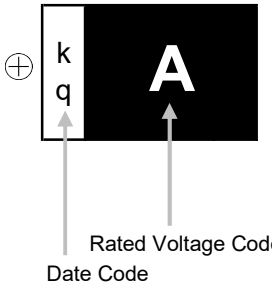
| RMS value of Ripple Current (mA) @100kHz | | |
|---|---|---|
| 25°C | 85°C | 125°C |
| 65 | 58 | 26 |

## HOW TO ORDER :

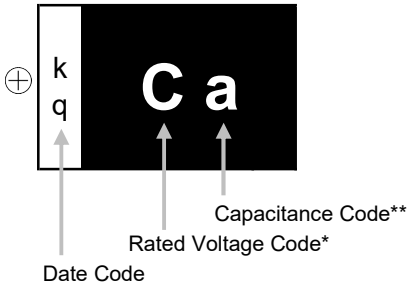
| F98 | 1A | 475 | M | M | A | AJ6 |
|---|---|---|---|---|---|---|
| Type | Rated Voltage | Capacitance Code | Cap Tolerance | Case Code | Packaging Reel dia 180mm Tape width 8mm | AEC-Q200 Compliant |

## MARKING :

M case




S case




| RV | * |
|---|---|
| 10 | A |
| 16 | C |

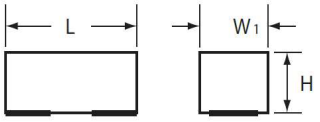
| Cap | ** |
|---|---|
| 10 | a |

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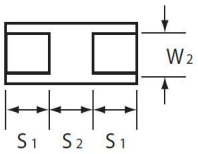
## CASE DIMENSIONS: millimetres

| Case Code | EIA Code | EIA Metric | L | $W_1$ | $W_2$ | H | $S_1$ | $S_2$ |
|---|---|---|---|---|---|---|---|---|
| M | 0603 | 1608-10 | 1.6 +0.2/-0.1 | 0.85 +0.2/-0.1 | 0.65±0.1 | 1.0 Max | 0.5±0.1 | 0.6±0.1 |




## PACKAGING INFORMATION :

| Packaging Code | Reel Size | Tape Width | Quantity (pcs) |
|---|---|---|---|
| A | 180 mm | 8 mm | 4,000 |




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