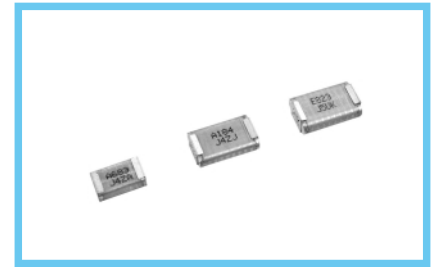




Metallized Polyphenylene Sulfide Film Chip Capacitor



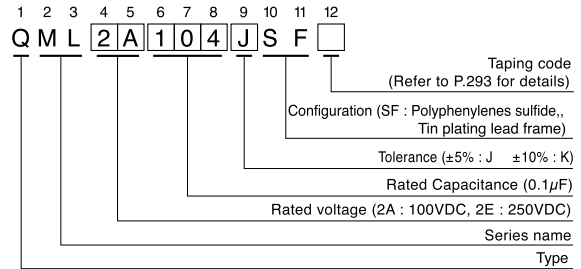
- Lead frame outer electrode.
- Resonance circuit for LCD backlighting inverter unit
- Applicable for reflow soldering. [Lead-free correspondence]
- Adapted to the RoHS directive (2002/95/EC).

Specifications

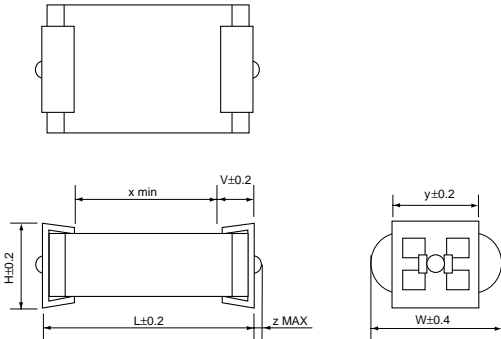
| Item | Performance Characteristics |
|---------------------------------|--|
| Category Temperature Range | -40 ~ +125°C (Rated temperature : 105°C) |
| Rated Voltage (U _R) | 100VDC / 63VAC , 250VDC / 80VAC |
| Rated Capacitance Range | 0.01 ~ 0.22μF |
| Capacitance Tolerance | ± 5% (J), ± 10% (K) |
| Dielectric Loss Tangent | 0.15% or less (at 1kHz 20°C) |
| Insulation Resistance | 15,000 MΩ min |
| Withstand Voltage | Between Terminals : Rated Voltage (U _R) × 150% 60s |
| Encapsulation | Case less (Liquefied Epoxy resin) |
| Resistance to Soldering heat | Reflow : Peak 250°C, 10s less than |
| Related standard | JIS C 5101-20, EIAJ RC-2349 |

Category voltage = U_R × 0.8

Type numbering system (Example : 100VDC 0.1μF)

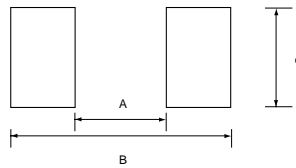


Drawing



Land Dimensions

| Voltage (V) | Cap (μF) | A | B | C |
|---------------|--------------|-----|------|-----|
| 100 | 0.01 ~ 0.15 | 5.5 | 10.0 | 4.0 |
| 250 | 0.01 ~ 0.056 | | | |
| 100 | 0.18 ~ 0.22 | 8.0 | 12.6 | 4.0 |
| 250 | 0.068 ~ 0.1 | | | |



Dimensions

Unit : (mm)

| Cap. (μF) | Code | V(Code) | 100VDC / 63VAC (2A) | | | | | | | | 250VDC / 80VAC (2E) | | | | | | | |
|-----------|------|---------|---------------------|------|-----|-----|-----|-----|-----|---|---------------------|------|-----|-----|-----|-----|-----|---|
| | | | Size | H | L | W | v | x | y | z | Taping code | H | L | W | v | x | y | z |
| 0.01 | 103 | | 3.0 | 8.1 | 5.2 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.2 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.012 | 123 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.015 | 153 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.018 | 183 | | 3.0 | 8.1 | 5.2 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.2 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.022 | 223 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.027 | 273 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.033 | 333 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 5.5 | 1.2 | 5.1 | 4.2 | 0.3 | A |
| 0.039 | 393 | | 3.0 | 8.1 | 5.2 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.0 | 8.1 | 6.3 | 1.2 | 5.1 | 4.2 | 0.3 | B |
| 0.047 | 473 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.5 | 8.1 | 6.3 | 1.2 | 5.1 | 4.2 | 0.3 | B |
| 0.056 | 563 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.5 | 8.1 | 7.0 | 1.2 | 5.1 | 4.2 | 0.3 | B |
| 0.068 | 683 | | 3.0 | 8.1 | 5.3 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.5 | 10.6 | 7.1 | 1.2 | 7.6 | 4.2 | 0.3 | C |
| 0.082 | 823 | | 3.0 | 8.1 | 5.5 | 1.2 | 5.1 | 4.2 | 0.3 | A | 3.5 | 10.6 | 7.2 | 1.2 | 7.6 | 4.2 | 0.3 | C |
| 0.1 | 104 | | 3.0 | 8.1 | 5.8 | 1.2 | 5.1 | 4.2 | 0.3 | B | 3.5 | 10.6 | 7.8 | 1.2 | 7.6 | 4.2 | 0.3 | E |
| 0.12 | 124 | | 3.5 | 8.1 | 6.1 | 1.2 | 5.1 | 4.2 | 0.3 | B | | | | | | | | |
| 0.15 | 154 | | 3.5 | 8.1 | 6.5 | 1.2 | 5.1 | 4.2 | 0.3 | B | | | | | | | | |
| 0.18 | 184 | | 3.0 | 10.6 | 6.8 | 1.2 | 7.6 | 4.2 | 0.3 | C | | | | | | | | |
| 0.22 | 224 | | 3.5 | 10.6 | 7.0 | 1.2 | 7.6 | 4.2 | 0.3 | C | | | | | | | | |