



# GD ELECTRONICS S.R.L.

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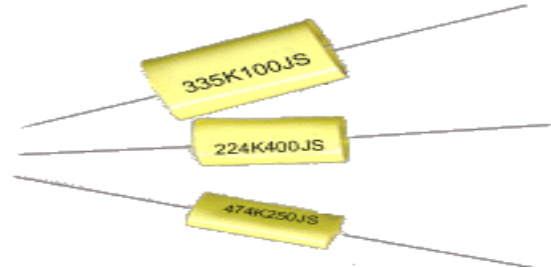
## MPA Metallized Polypropylene Film Capacitor (Oval)

### CONSTRUCTION

\* Polypropylene film dielectric with vacuumevaporated metal electrodes,axial leads of tined wire are electrically welded to the contact metal layer of the ends of capacitor winding out wrapped with Mylar tape and ends sealed with epoxy resin.

### FEATURE

- \* Non-inductive construction
- \* Low DF and High IR
- \* High capacitance value available and compact size



### APPLICATION

- \* Coupling decoupling by - passing and timing circuit.
- \* Automatic control system, communication equipment.
- \* Charging/discharging lighting noise suppression and frequency modulation.

### SPECIFICATIONS

RoHS Compliant



|                                           |                                                                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric                                | Polypropylene film                                                                                                                                                                |
| Electrodes                                | Vacuum evaporated metal                                                                                                                                                           |
| Coating                                   | Out wrapped with Mylar tape and ends sealed with epoxy resin                                                                                                                      |
| Leads                                     | Radial leads of tinned wire                                                                                                                                                       |
| Reference Standard                        | IEC 384-16; GB 10190-1988                                                                                                                                                         |
| Temperature Range                         | 55/85/21 (From 85°C up to 105°C with derating voltage 1.25%/°C)                                                                                                                   |
| Capacitance Versus Rated voltage( $U_R$ ) | 100VDC 0.01 $\mu$ F --- 6.8 $\mu$ F<br>250VDC 0.01 $\mu$ F --- 6.8 $\mu$ F<br>400VDC 0.01 $\mu$ F --- 1.5 $\mu$ F<br>630VDC 0.01 $\mu$ F --- 1 $\mu$ F                            |
| Capacitance Tolerance                     | M= $\pm$ 20% K= $\pm$ 10% J= $\pm$ 5%                                                                                                                                             |
| Dissipation Factor (Tangent of Loss)      | DF $\leq$ 0.1% (at 20°C 1KHz)                                                                                                                                                     |
| Voltage Proof                             | 1.6 * $U_R$ (5s at 20°C)                                                                                                                                                          |
| Insulation Resistance                     | C $\leq$ 0.33 $\mu$ F; IR $\geq$ 30000M $\Omega$<br>C>0.33 $\mu$ F; IR*C $\geq$ 5000S (1minute at 20°C and RH $\leq$ 65%)                                                         |
| Endurance                                 | 1000hours with 125% of rated voltage at 85°C after the Test:<br>$\Delta$ C/C $\leq$ 5%; $\Delta$ DF $\leq$ 0.4% (C>1 $\mu$ F)<br>IR $\geq$ 50% of the specified value (20°C 1KHz) |

