



# GD ELECTRONICS S.R.L.

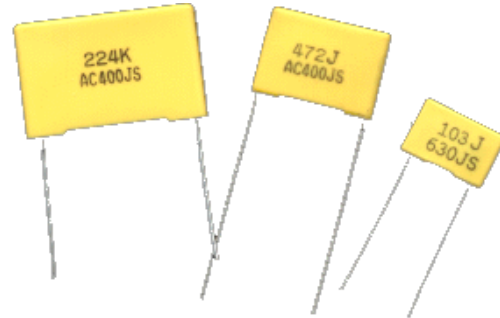
Strada Paullese Ss 415, Km 1,95 - 20097 San Donato Milanese (MI) -  
Tel. 0255606196 (r.a) Fax. 0251800344

e-mail: [contact@jimson.it](mailto:contact@jimson.it) web : [www.jimson.it](http://www.jimson.it) [www.gdelectronics.it](http://www.gdelectronics.it)

## MEC Metallized Polyester Film Capacitor

### CONSTRUCITON

\* Polyester film dielectric with vacuumevaporated metal electrodes,radial leads of tined wire are electrically welded to the contact metal layer of the ends of capacitor winding.Encased in a flame resistant plastic case and sealed with epoxy resin.



### FEATURE

- \* Non-inductive construction
- \* Self-healing
- \* High property moisture resistance
- \* Super physical and enviromental characteristics

### APPLICATION

- \* Filter and noise suppression circuit.
- \* Pulse, logic and timing circuit.
- \* DC-blocking , by - pasing and signal coupling in general communication `s equipment.

### SPECIFICATIONS

RoHS Compliant



Dielectric	Polyester film
Electrodes	Vacuum Evaporated Metal
Coating	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL94V-0
Leads	Radial leads of tinned wire
Reference Standard	IEC 384-2 grade I; SJ/T 10874-1996
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 0.001 $\mu$ F --- 6.8 $\mu$ F    250VDC 0.001 $\mu$ F --- 6.8 $\mu$ F 400VDC 0.001 $\mu$ F --- 2.2 $\mu$ F    630VDC 0.001 $\mu$ F --- 1.5 $\mu$ F
Capacitance Tolerance	M= $\pm$ 20%    K= $\pm$ 10%    J= $\pm$ 5%
Dissipation Factor (Tangent of Loss)	DF $\leq$ 1.0% (at 20°C 1 KHz)
Voltage Proof	1.6 * $U_R$ (5s at 20°C)
Insulation Resistance	$C \leq 0.33\mu$ F    IR $\geq 15000M\Omega$ $C > 0.33\mu$ F    IR *C $\geq 3000$ S (1 minute at 20°C and RH $\leq$ 65%)
Endurance	1000 hours with 125% of rated voltage at 85°C after the Test: $\Delta C/C \leq 8\%$ ; $\Delta DF \leq 0.30\%$ ( $C > 1\mu$ F) $\Delta DF \leq 0.50\%$ ( $C \leq 1\mu$ F) IR $\geq 0.5\%$ of the specified value (20°C 1KHz)

