Film Capacitor

Metallized Polyester Film Capacitor (MKT)

Series/Type: **B32529**
Ordering code: **B32529C0562+289**

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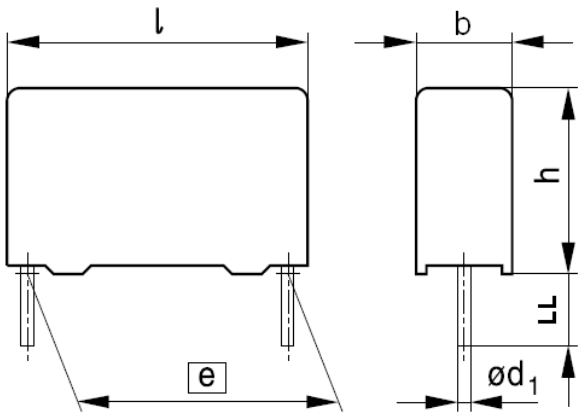

Applications

- Blocking
- Coupling, decoupling
- Bypassing
- RFI for automotive

Construction

- Dielectric: metallized polyethylene teraphthalate (polyester, PET)
- Stacked-film technology
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

Features

- High pulse strength
- High contact reliability
- RoHS compatible

Delivery mode

- Ammo pack

Dimensions

- Lead spacing (e): 5.0 ± 0.4 mm
- Width max. (w): 2.5 mm
- Height max. (h): 6.5 mm
- Length max. (l): 7.3 mm
- Lead diam. ($\varnothing d_1$): 0.5 ± 0.05 mm

Terminals

- Parallel wire leads, tinned

Electrical Characteristics

Rated Capacitance C	5.6 nF
Capacitance tolerance	J = ±5% ; K = ±10% ; M = ±20%
Rated DC voltage Ur_{dc}	63 Vdc
Rated AC voltage Ur_{ac} (50-60 Hz)	40 Vac
Climatic category according to IEC 68-1	55/125/56
Lower category temperature T_{min}	-55 °C
Upper category temperature T_{max}	+125 °C
Voltage derating	$T_A \leq 85$ °C: $V_C = V_R$ 85 °C ≤ $T_A \leq 125$ °C : $V_C = (165 - T_A) / 80$
Pulse handling capability (dV/dt)	250 V/µs
Pulse characteristic K_0	30 000 V²/µs
Loss factor (tan δ) @ 20°C, 65% r.h., 1 kHz	≤ 8 E^{-3}
Loss factor (tan δ) @ 20°C, 65% r.h., 10 kHz	≤ 15 E^{-3}
Loss factor (tan δ) @ 20°C, 65% r.h., 100 kHz	≤ 30 E^{-3}
Isolation resistance R_{is} @ 20 °C, 100 V, relative humidity ≤ 65 %, 1min±5s	> 3750 MΩ

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