



## Film Capacitor

### Metallized Polyester Film Capacitor (MKT)

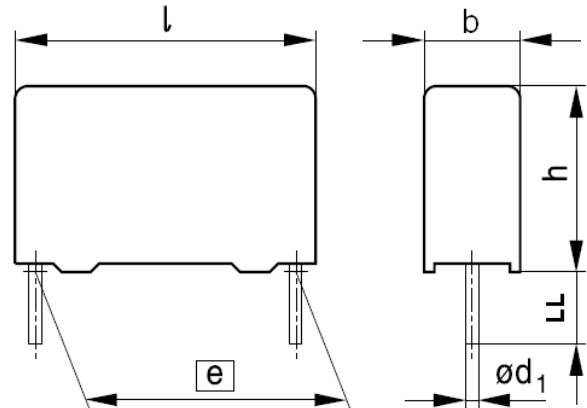
<b>Series/Type:</b>	<b>B32529</b>
<b>Ordering code:</b>	<b>B32529C0562+289</b>
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### Applications

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

### Construction

- Dielectric: metallized polyethylene terephthalate (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 ( $e$ ):  $5.0 \pm 0.4$  mm
- Width max. ( $w$ ): 2.5 mm
- Height max. ( $h$ ): 6.5 mm
- Length max. ( $l$ ): 7.3 mm
- Lead diam. ( $\varnothing d_1$ ):  $0.5 \pm 0.05$  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 $U_{r_{dc}}$	63 Vdc
■ Rated AC voltage $U_{r_{ac}}$ (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	$T_A \leq 85\text{ °C} : V_C = V_R$ $85\text{ °C} \leq T_A \leq 125\text{ °C} : V_C = (165 - T_A) / 80$
■ Pulse handling capability (dV/dt)	250 V/μs
■ Pulse characteristic $K_0$	30 000 V <sup>2</sup> /μs
■ Loss factor (tan δ) @ 20°C, 65% r.h., 1 kHz	$\leq 8\text{ E}^{-3}$
■ Loss factor (tan δ) @ 20°C, 65% r.h., 10 kHz	$\leq 15\text{ E}^{-3}$
■ Loss factor (tan δ) @ 20°C, 65% r.h., 100 kHz	$\leq 30\text{ E}^{-3}$
■ Isolation resistance $R_{is}$ @ 20 °C, 100 V, relative humidity ≤ 65 %, 1min±5s	> 3750 MΩ

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