



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Film Capacitor

Metallized Polyester Film Capacitor (MKT)

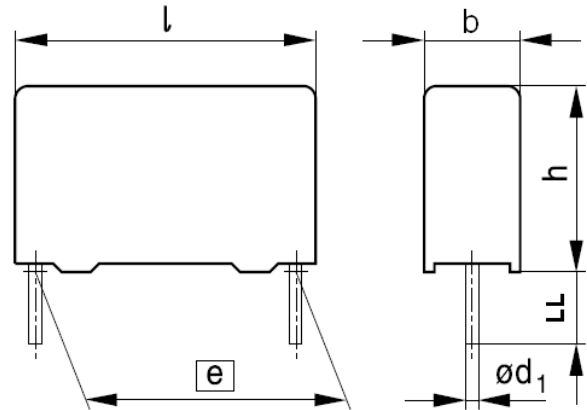
Series/Type:	B32529
Ordering code:	B32529C0562+289
Date:	24-03-2014
Version:	2

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 ± 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 $U_{r_{dc}}$	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 ² /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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