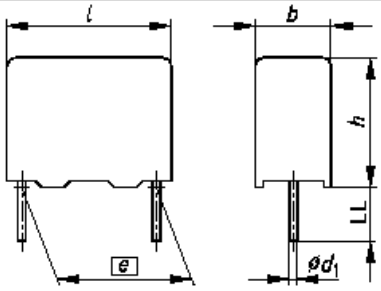
EPCOS

Technical Data Sheet

Metallized Polyester Film Capacitors – MKT — Plastic Case

Part Number B32529-C0183-J



Construction

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

Terminals

- Parallel wire leads, tinned

Marking

- Manufacturer´s logo
- Rated capacitance (coded), rated tolerance, DC rated voltage

Delivery Mode

- Bulk

Dimensions

• Lead spacing (e):	5.0 ± 0.4 mm
• Width (b_{max}):	2.5 mm
• Height (h_{max}):	6.5 mm
• Length (l_{max}):	7.2 mm
• Lead diameter (ϕ):	0.5 mm
• Lead length (LL):	6.0 - 1.0 mm

Electrical Characteristics

Rated capacitance C:	0.018 µF
Capacitance tolerance:	±5 %
Rated DC voltage Ur_{dc}:	63 V-
Rated AC voltage Ur_{ac}:	40 Vac
Climatic category according to IEC 68-1	55/125/56
Lower category temperature T_{min} :	-55 ºC
Upper category temperature T_{max} :	+125 ºC
Pulse handling capability (dV/dt):	250 V/µs
Pulse characteristic K_0	30.000 $V^2/\mu s$
Voltage test	1.4 Vr ; 2s
Loss factor (tang δ) @ 20ºC, 1 kHz:	8 . 10^{-3}
Insulation Resistance R_{is} at 20ºC, 50V rel. Humidity ≤ 65%	1250 s

Issue by: Klaus Winklbauer , FK PM — Date: 16.08.2005
Ed.: 1

Notes: Please take all additional data not mentioned above from our data book