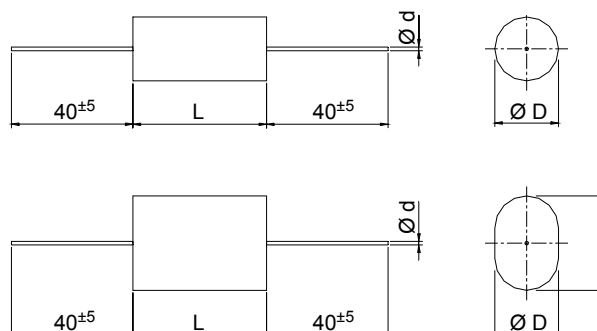


General characteristics

- Self-Healing
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications

D	< 10 mm	10 mm ÷ 22mm	> 22 mm
d	0.8 mm 20 AWG	1 mm 18 AWG	1.2 mm 16 AWG



TECHNICAL DATA

General technical data	VDE 0560 - IEC61071 - EN61071
Application class (DIN 40040)	GPE / LS
Temperature range (Case)	-40 °C to + 85 °C
Max permissible ambient temperature	+70 °C
Capacitance tolerance code (15 th digit)	J = ± 5% ; K = ± 10%
Peak non-repetitive max current	I _{PKR} x 1.5
Test voltage terminal to terminal U _{TT}	2 Un for 10 seconds
Insulation resistance test conditions	Temperature : +25 °C ± 5% Voltage charge time : 1 minute Test voltage : 100 Vdc Typical value (R _{is} x C) : 3000 seconds
Test voltage terminal to case U _{TC}	3kV _{DC} 50Hz for 60 seconds
Dissipation factor (tgδ)	≤ 5 x 10 ⁻⁴ at 1 kHz and 20 °C
Damp heat test - Test conditions	Temperature : +40 °C Relative humidity : 93% ±2% Test duration : 56 days Capacitance change : ≤ ± 5%
Performances	tgδ change : ≤ 50% of nominal value at 1 kHz Insulation resistance : ≤ 50% of limit value
IEC climatic category	40 / 85 / 56 according to IEC 68-1
Capacitance deviation in the operating temperature range of -40 to +85 °C	±1.5% max on capacitance value measured at +20 °C
Change of capacitance versus operating time	-3% after 30.000 hours at U _{RMS} or after 100.000 hours at Un
Protection	Polyester wrapping with epoxy resin fill
Flame retardant (IEC 384-1)	Standard execution: not flame retardant 4 th digit code A On request flame retardant execution category C, 4 th digit code S
Leads	Tinned copper (medium lead content 5%)
Installation	Whatever Position
Life Expectancy	≥ 30.000 hours at U _{RMS} ; ≥ 100.000 hours at Un
Failure quota	300 / 10 ⁹ components hour
Vibration strength	DIN 40040 , Table 6 , Class V