K03 TYPE -20°C +70°C

RoHS Compliant
Directive 2002/95/EC

- **Surge-proof capacitor in aluminium can with insulation sleeve.**
- **Heavy charge/discharge duty.**
- **To be mounted with ring clips or with threaded stud.**

APPLICATIONS

Extreme application welding. Strobe applications.

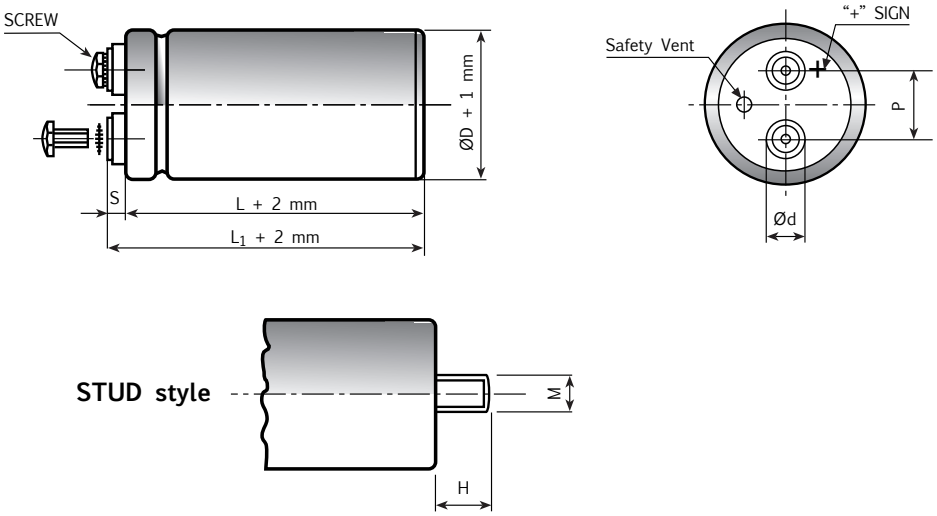

Diagram of dimensions (unit=mm)

ØD	d	P	M	H	SCREW
35	11	12.7	M 8	12	5MA x 9,5
51	18.5	22.7	M 12	16	5MA x 9,5
63	18.5	28.6	M 12	16	5MA x 9,5
76	18.5	31.8	M 12	16	5MA x 9,5
76	18.5	31.8	M 12	16	6MA x 10
90	18.5	31.8	M 12	16	6MA x 10

L_1	L_1 = L + 2.5 mm L_1 toll. - 0+3 mm	L_1 = L + 4.5 mm L_1 toll. - 1+3 mm
S	M5 = 5 - 0 + 1 mm From top of deck	M6 = 7 - 1 + 1 mm From top of deck

Kendeil™

Temperature Range	Operating: -20°C +70°C Storage : Preferably below +25°C, not exceeding +40°C
Rated Voltage Range (V_r)	from 400V to 500V DC
Surge Voltage (V_p)	V_p = 1.10 V_r (V_r > 250V DC)
Rated Capacitance Range	from 560 µF to 3300 µF
Capacitance Tolerance	±20% at 100 Hz, 20°C [M class IEC-62] on request: -10% +30% at 100 Hz, 20°C [Q class IEC-62]
Leakage Current (I_L) **(5 min, 20°C)**	max I_L= 0.006 C_r V_r + 4 µA
Insulation Resistance	At 100V DC for 1 min is >100 M Ω across insulating sleeve and terminals.
Vibration Resistance	Frequency range: 10 Hz to 55 Hz, amplitude 0.75 mm Capacitor length ≤ 143 : max acceleration 10g for 3x2 h Capacitor length > 143 : max acceleration 5g for 3x0.5 h
Discharge Life	Test conditions: 10000 times at room temperatures (5-35°C) Charge and Discharge cycles: 30 sec Cap change ≤ 10% tan δ ≤ 150% Leakage current (I_L) < 150% of initial limit Impedance (Z) ≤ 200%
Shelf life	After leaving capacitors under no load for 500 hours at 55°C when restored at 20°C meet specifications aside Cap change ≤ ±15% tan δ ≤ 150% Leakage current (I_L)< initial limit
Failure percentage **Failure rate**	≤ 1% (during useful life) ≤ 70 fit (70 10^{-9}/h (V_r > 160V DC)
Self inductance	Approx. 20 nH
Reference standards	CECC 30.300 IEC 60384-4 LONG LIFE GRADE

K03 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
680	51x105	0.10	K03400681__M0G105	400V
820	51x105	0.10	K03400821__M0G105	
1000	63x105	0.10	K03400102__M0H105	
1200	63x105	0.10	K03400122__M0H105	
1500	76x105	0.10	K03400152__M0H105	
2200	76x143	0.10	K03400222__M0J143	
3300	90x145	0.10	K03400332__M0L145	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
680	51x105	0.10	K03450681__M0G105	450V
820	51x105	0.10	K03450821__M0G105	
1000	63x105	0.10	K03450102__M0H105	
1200	63x105	0.10	K03450122__M0H105	
1500	76x105	0.10	K03450152__M0H105	
2200	76x143	0.10	K03450222__M0J143	
3300	90x145	0.10	K03450332__M0L145	

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
560	51x105	0.15	K03475561__M0G105	475V
680	51x105	0.15	K03475681__M0H105	
820	51x105	0.15	K03475821__M0G105	
1000	63x105	0.15	K03475102__M0H105	
1000	63x105	0.15	K03475102__M0H105	
1000	76x105	0.15	K03475102__M0J105	
1000	76x143	0.15	K03475102__M0J143	
1500	76x143	0.15	K03475152__M0J143	
2200	90x145	0.15	K03475222__M0L145	

K03 TYPE STANDARD RATINGS

Cap µF	Ø x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded	RATED VOLTAGE VDC
560	51x105	0.15	K03500581__M0G105	500V
680	63x105	0.15	K03500681__M0H105	
820	63x105	0.15	K03500821__M0H105	
1000	63x105	0.15	K03500102__M0H105	
1000	63x105	0.15	K03500102__M0J105	
1000	63x143	0.15	K03500102__M0J143	
1500	76x143	0.15	K03500152__M0J143	
2200	90x145	0.15	K03500222__M0L145	