

- 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.

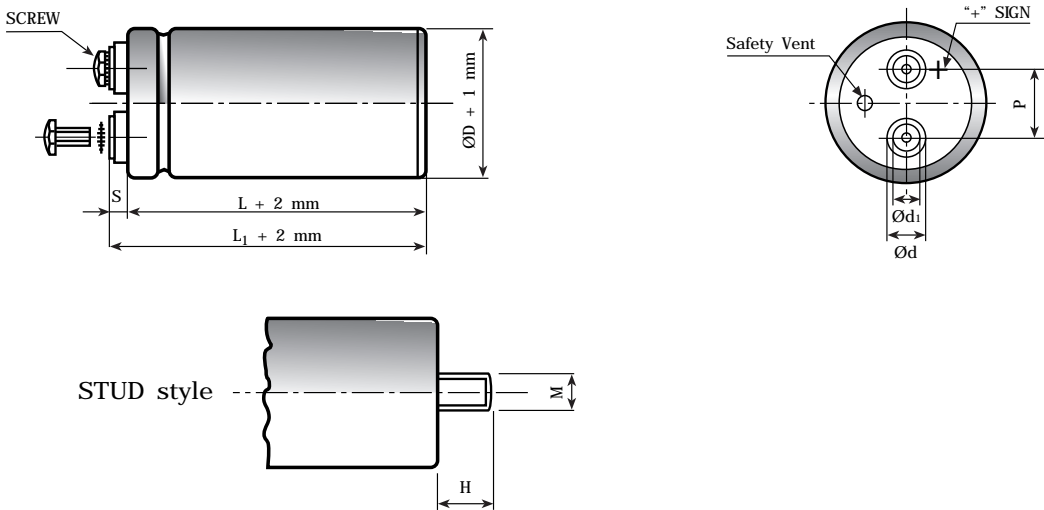


Diagram of dimensions (unit=mm)

ØD	d	d ₁	P	M	H	INSERT	SCREW	L ₁	-L _[-1+3]	S _[-1+1]
35	11	7.9	12.7	M 8	12	M5	5MA x 9,5	2.5	5	
51	18.5	13	22.7	M 12	16	M5	5MA x 9,5	2.5	5	
63	18.5	13	28.6	M 12	16	M5	5MA x 9,5	2.5	5	
63	12	7.9	28.6	M 12	16	UNF	10-32 class 2B	6	7	
76	18.5	13	31.8	M 12	16	M5	5MA x 9,5	2.5	5	
76	23.2	17.7	31.8	M 12	16	M6	6MA x 10	4.5	7	
76	12	7.9	31.8	M 12	16	UNF	10-32 class 2B	6	7	
90	23.2	17.7	31.8	M 12	16	M6	6MA x 10	4.5	7	

SPECIFICATIONS

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 = 1.05 V _r (V _r > = 475V DC) - 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	≤ 1% (during useful life)
Failure rate	≤ 33 fit (33 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 μ F	\varnothing x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded
680	51x105	0.10	K03400681__M0G105
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

RATED
VOLTAGE
VDC

400V

Cap μ F	\varnothing x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded
680	51x105	0.10	K03450681__M0G105
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

RATED
VOLTAGE
VDC

450V

Cap μ F	\varnothing x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded
560	51x105	0.15	K03475561__M0G105
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

RATED
VOLTAGE
VDC

475V

Cap μ F	\varnothing x L mm	Tan δ MAX 100 Hz 20°C	PART NUMBER stud and insert style excluded
560	51x105	0.15	K03500581__M0G105
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

RATED
VOLTAGE
VDC

500V