

CAPACITOR SPECIFICATION	76x220 (∅DxL)
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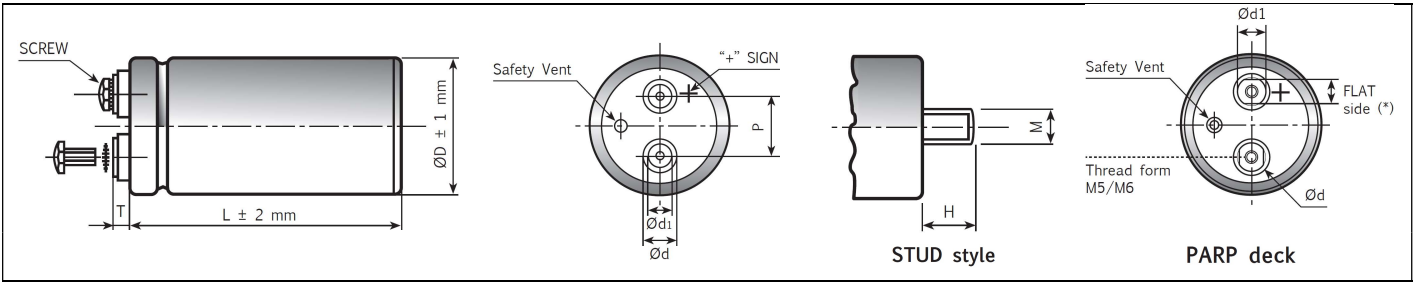


Diagram of dimensions (unit=mm) - Insert and screw threads: Metric (mm), UNF (inches)

∅D	d ±0.3	d1 ±0.3	P ±0.5	T ±2.0	STUD		INSERT	SCREW	INSERT STYLE CODE
					M	H			
35	11.6	7.9	12.7	6.5	M8	12	M5	5MA x 9.5	0
51	18.2	13	22.2	5	M12	16	M5	5MA x 9.5	H
63	18.2	13	28.5	5	M12	16	M5	5MA x 9.5	H
76	18.2	13	31.8	4.5	M12	16	M5	5MA x 9.5	H
76	18.2	13	31.8	6.5	M12	16	M5 long	5MA x 9.5	L
76	23.2	17.7	31.8	5	M12	16	M6	6MA x 10	6
90	23.2	17.7	31.8	5	M12	16	M6	6MA x 10	H
51	13	13(10)*	22.2	5	M12	16	PARP M5	5MA x 9.5	K
63	13	13(10)*	28.5	5	M12	16	PARP M5	5MA x 9.5	B
63	19	15(13)*	28.5	6	M12	16	PARP M5	5MA x 9.5	K
76	19	15(13)*	31.8	6	M12	16	PARP M5	5MA x 9.5	K
76	19	15(13)*	31.8	6	M12	16	PARP M6	6MA x 10	Q
90	19	15(13)*	31.8	6	M12	16	PARP M6	6MA x 10	Q
35	11.6	7.9	12.7	6.5	M12	16	UNF 10-32 High Post	10-32 x 3/8"	U
63	17.3	17.3	28.5	2.5	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	W
63	17.3	17.3	28.5	6	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	R
63	7.9	7.9	28.5	2	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	Z
63	12	7.9	28.5	6.5	M12	16	UNF 10-32 High Post	10-32 x 3/8"	U
76	17.3	17.3	31.8	2.5	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	W
76	17.3	17.3	31.8	6	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	R
76	7.9	7.9	31.8	2	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	Z
76	12	7.9	31.8	6.5	M12	16	UNF 10-32 High Post	10-32 x 3/8"	U

Note: (*) quote on the PARP deck of the flat side (PARP = Protection Against Reverse Polarity).

Termination (10th digit)

 Flat base (no stud) = 0
 Stud M8x12 (∅D=35) = M
 Stud M12x16 = S

Insert style (11th digit)

Please refer at types/codes available per each diameter of the insert style code

Insert torque application strength

 M5 insert thread torque = 2Nm
 M6 insert thread torque = 4Nm

Stud torque application strength

 M8 stud torque strength = 4Nm
 M12 stud torque strength = 8Nm

Marking information

 Type
 Identification Code Lot
 Rated capacitance (µF)
 Rated voltage (VDC)
 Negative polarity golden row

ELECTRICAL PARAMETERS

Nominal Capacitance	10000	µF at 100Hz
Tolerance Standard	M	-20% +20%
Temperature Range	-40°C to 85°C	
Rated Voltage / Surge Voltage	450 / 495	VDC
Max Tan δ	0.12	at 100Hz / 20°C
Typical ESR	9.7	mΩ at 100Hz / 20°C
Typical Impedance Z	7	mΩ at 10kHz / 20°C
Maximum Leakage Current	6.0	mA after 5min at Vr / 20°C
Maximum Ripple Current	34.7	A rms at 100Hz / 85°C
Useful Life	15'000	hours at Vr / Ir / 85°C
Reference Standards	CECC 30.300 - IEC 60384.4 Long Life Grade	

When ambient temperature and ripple frequency are different from 85°C and 100Hz ripple current shall be multiplied by the following compensating factors (maximum current load capability of contact elements must not be exceeded):

FREQUENCY [Hz]	50	100	500	1k	>10k	TEMPERATURE [°C]	35	45	55	65	75	85	95
MULTIPLIER	0.8	1.0	1.2	1.3	1.5	MULTIPLIER	2.2	2.1	1.8	1.6	1.4	1.0	0.5

Product compliant to RoHS Directive

 For further specifications: please consult our catalogue at www.kendeil.com