

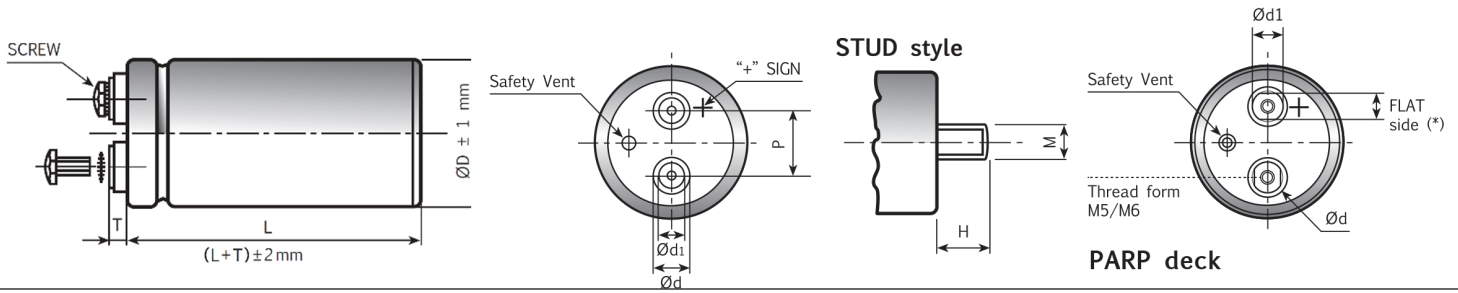
CAPACITOR SPECIFICATION
51x105 (ØDxL)


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

ØD	d ±0.3	d1 ±0.3	P ±0.5	T ±0.5	STUD		INSERT	SCREW	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
76	17.2	17.2	31.4	6.4	M12	16	M6 no collar	6MA x 10	F
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 flat side of PARP deck (PARP = Protection Against Reverse Polarity)

Termination (10th digit)

 Flat base (no stud) = 0
 Stud M8x12 (ØD=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	15000	µF at 100 Hz
Tolerance Standard	M	= - 20% + 20%
Temperature Range	-40°C to 85°C	
Rated Voltage / Surge Voltage	100/115	VDC
Max Tang δ	0.25	at 100 Hz
Typical ESR	13	mΩ at 100 Hz
Typical Impedance Z	12	mΩ at 10 kHz
Maximum Leakage Current	6.00	mA after 5 mins at 20°C
Maximum Ripple Current	14.80	A rms at 85°C
Useful Life	12000	hours at 85°C
Reference Standards	CECC 30.300 IEC 384.4 Long Life Grade	
	External materials approved UL94-V0	

F1 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	FREQUENCY [Hz]	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