

**Aluminium
Electrolytic
Capacitors**

PART NUMBER: K014501030HM1L170
Stud and insert style excluded [_]

CAPACITOR SPECIFICATION	90x170 (ØDxL)
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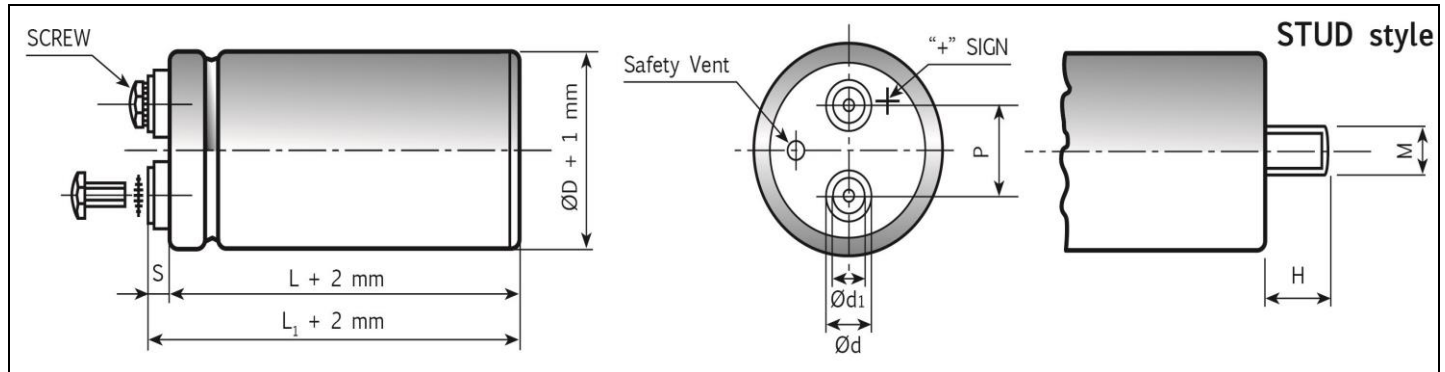


Diagram of dimensions (unit=mm)
Insert and screw threads: Metric (mm), UNF (inches)

ØD	d	d1	P	STUD M	H	INSERT	SCREW	L ₁ -L[-1+3]	S[-1+1]	INSERT STYLE CODE
35	11	7.9	12.7	M8	12	M5	5MA x 9.5	2.5	5	0
51	18.5	13	22.7	M12	16	M5	5MA x 9.5	2.5	5	H
63	18.5	13	28.6	M12	16	M5	5MA x 9.5	2.5	5	H
63	17.3	17.3	28.6	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	3	4	W
63	17.3	17.3	28.6	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	6	7	R
63	7.9	7.9	28.6	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	2	2.5	Z
63	12	7.9	28.6	M12	16	UNF 10-32 High Post	10-32 x 3/8"	6	7	U
76	18.5	13	31.8	M12	16	M5	5MA x 9.5	2.5	5	H
76	18.5	13	31.8	M12	16	M5	5MA x 9.5	2.5	7	L
76	23.2	17.7	31.8	M12	16	M6	6MA x 10	4.5	7	6
76	17.3	17.3	31.8	M12	16	UNF 1/4-28 Low Post	1/4-28 x 3/8"	3	4	W
76	17.3	17.3	31.8	M12	16	UNF 1/4-28 High Post	1/4-28 x 1/2"	6	7	R
76	7.9	7.9	31.8	M12	16	UNF 10-32 Low Post	10-32 x 1/4"	2	2.5	Z
76	12	7.9	31.8	M12	16	UNF 10-32 High Post	10-32 x 3/8"	6	7	U
90	23.2	17.7	31.8	M12	16	M6	6MA x 10	4.5	7	H

Termination (digit-10th)

Flat base (no stud) = 0
Stud M8x12 (only diam.35) = M
Stud M12x16 = S

Insert type (digit-11th)

Please refer at types / letter
available per each diameter of the
Insert style code

Torque application strength

M5 INSERT THREAD torque =2Nm
M6 INSERT THREAD torque =4Nm

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

Marking information

Type - Identification Code Lot
Rated capacitance (µF)
Rated voltage (VDC)
Negative polarity: gold row

ELECTRICAL PARAMETERS

Nominal Capacitance	10'000	µF at 100 Hz
Tolerance Standard	M	= -20% +20%
Temperature Range	...	- 40°C to 85°C
Rated Voltage / Surge Voltage	450 /495	VDC
Max Tang δ	0.25	at 100 Hz - 20°C
Typical ESR	12	mΩ at 100 Hz - 20°C
Typical Impedance Z	10	mΩ at 10 kHz - 20°C
Maximum Leakage Current	6	mA after 5 mins at 20°C
Maximum Ripple Current	28,7	A rsm at 85°C - 100Hz
Useful life	15000	hours at 85°C
Reference Standards	CECC 30.300 IEC 384.4 Long Life Grade	

Product compliant to RoHS Directive

When ambient temperature and ripple frequency are different from 85°C and 100 Hz, ripple current shall be multiplied by the following compensating factor:

FREQUENCY	50Hz	100Hz	500Hz	1000Hz	> 10kHz	TEMPERATURE	35°C	45°C	55°C	65°C	75°C	85°C	95°C
FACTOR	0.8	1.0	1.2	1.3	1.5	FACTOR	2.2	2.1	1.8	1.6	1.4	1.0	0.5

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