

**APPLICATIONS**

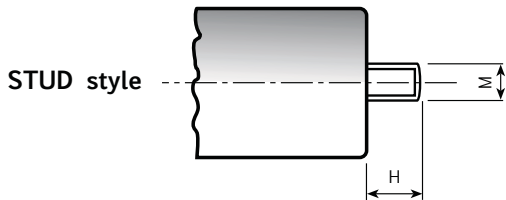
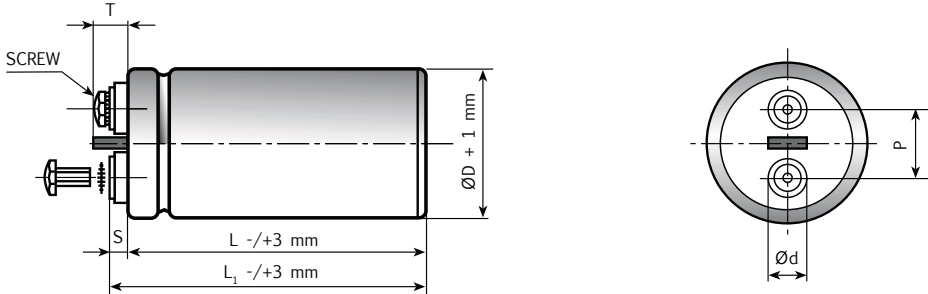
Designed for professional power electronics.

**GENERAL INFORMATION**

<b>Reference</b>	IEC 61071-1
<b>IEC climatic</b>	40/85/21 IEC 68-1
<b>Storage temperature</b>	-40 to +85°C
<b>Temperature range</b>	-40 to +70°C
<b>Case</b>	Aluminium case with or without stud M12
<b>Maximum screw torque strength for stud M12</b>	8 Nm
<b>Deck</b>	Plastic deck UL94 (V0)
<b>Insert style of deck</b>	High current M6 female terminals, M8 male terminals
<b>Maximum screw torque strength for insert</b>	3Nm x M6, 6Nm x M8,
<b>Dielectric</b>	Self healing polypropylene film
<b>Filling</b>	Self-extinguishing (V0) polyurethane resin
<b>Surge voltage between terminals</b>	X1.35 10sec 25°C
<b>Test voltage terminal to case</b>	4KV 50Hz for 2 sec
<b>Capacitance deviation range temperature</b>	±1.5% @ 25°C
<b>Tolerance</b>	-10%, +10%
<b>Mounting</b>	Horizontal – vertical
<b>Maximum ripple current</b>	100A
<b>Max dV/dt not repetitive peak</b>	≤ 40 V/μsec
<b>Life</b>	100000 H - Nominal Voltage @ 70°C
<b>Failure Rate</b>	300 FIT
<b>Damp Heat test</b>	Stable electrical parameters in humidity ambient conditions 85°C; 85% RH, Nominal voltage applied, 1000 Hours
<b>Expected life estimation based on application conditions and our life formula</b>	Please contact our technical service.
<b>End life criteria</b>	±10% cap

MECHANICAL SPECIFICATIONS

M6 STANDARD FEMALE STYLE



M6 LONG FEMALE STYLE

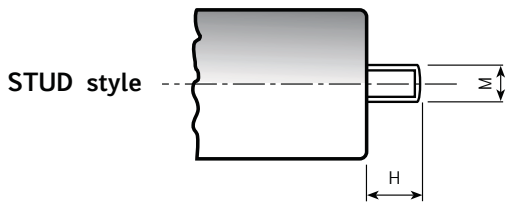
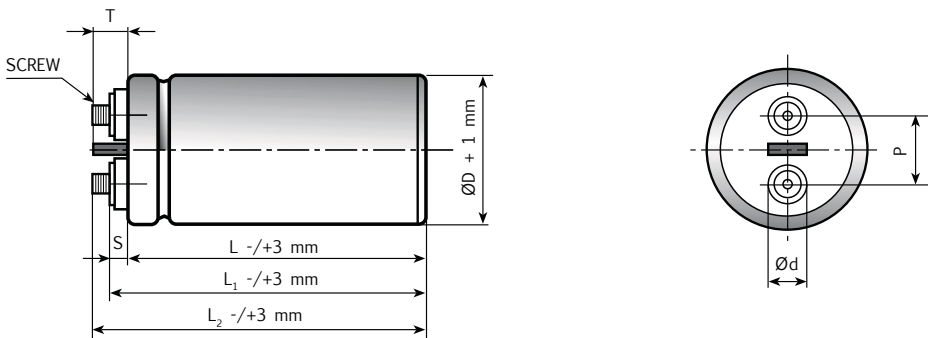


Diagram of dimensions (unit=mm)

# K34 TYPE -40°C +70°C

## MECHANICAL SPECIFICATIONS

### M8 MALE STYLE

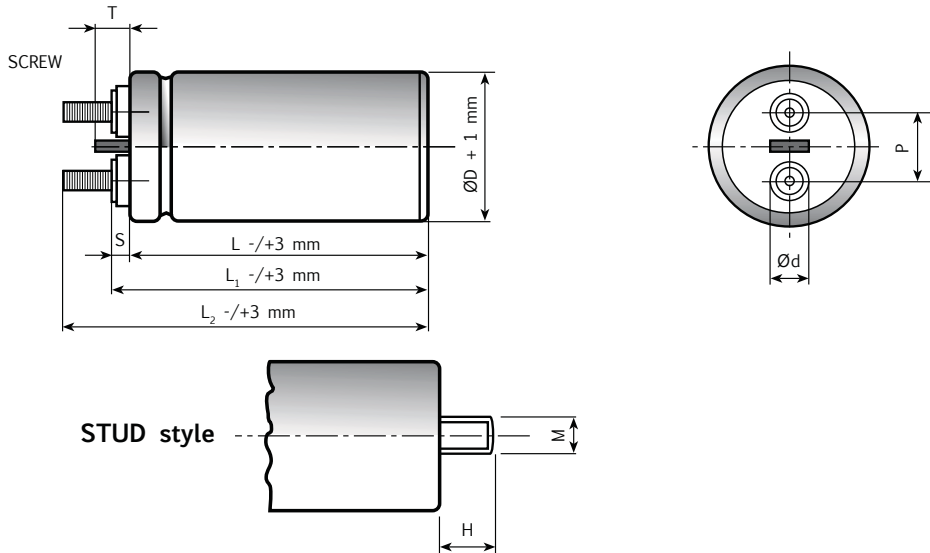


Diagram of dimensions (unit=mm)

ØD	d	P	M	H	T	L <sub>1</sub> - L	L <sub>2</sub> - L	L <sub>2</sub> - L <sub>1</sub>
75 male	22.20	31.8	M12	16	11	9	29	20
85 male	22.20	31.8	M12	16	11	9	29	20
75 female M6	22.20	31.8	M12	16	11	9	Not defined	
85 female M6	22.20	31.8	M12	16	11	9	Not defined	
75 female M6 long	22.20	31.8	M12	16	11	9	14	5
85 female M6 long	22.20	31.8	M12	16	11	9	14	5

## K34 TYPE STANDARD RATINGS

Cap. $\mu\text{F}$	$\varnothing \times L$ Mm	ESR $\text{m}\Omega$ 10 KHz	ESL nH	Rth $^{\circ}\text{C}/\text{W}$	Ir a.c. A max 10K Hz 25 $^{\circ}\text{C}$	Ir a.c. A max 10K Hz 45 $^{\circ}\text{C}$	Ir a.c. A max 10KHz 60 $^{\circ}\text{C}$	dV/dt V/ $\mu\text{sec}$	I pk A	PART NUMBER Termination digit excluded
350	75x120	2.2	35	5.2	49	40	25	6.3	2230	K34900351_KOJ120
430	75x140	2.2	35	4.6	52	43	27	6.2	2709	K34900431_KOJ140
450	85x120	2.2	40	4.4	53	44	28	6.3	2867	K34900451_KOL120
500	75x155	2.2	35	4.1	55	45	29	6.2	3150	K34900501_KOJ155
570	85x140	2.3	40	3.9	57	46	29	6.2	3591	K34900571_KOL140
600	85x140	2.3	40	3.9	57	46	29	6.2	3780	K34900601_KOL140
650	85x155	2.3	40	3.4	61	50	31	6.2	4095	K34900651_KOL155
700	85x155	2.3	40	3.4	61	50	31	6.2	4347	K34900701_KOL155

**RATED  
VOLTAGE  
VDC**

**900V**