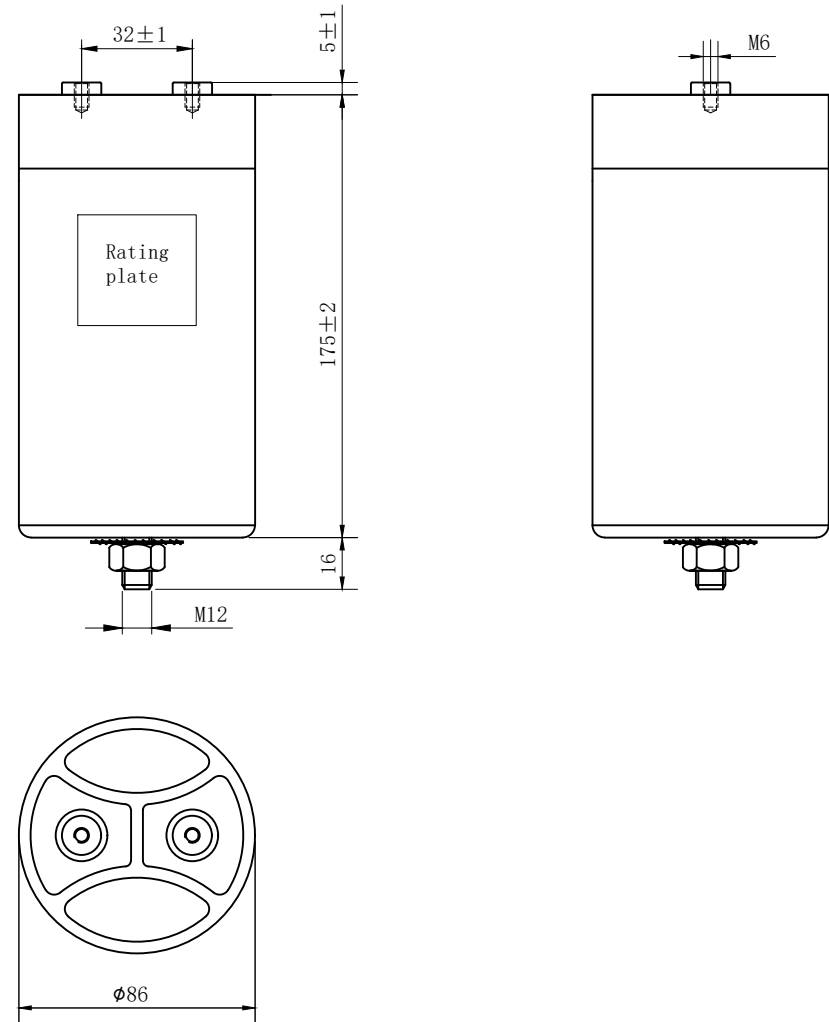



Dc Capacitor			
Nominal values			
Rated capacitance	Cn	[μ F]	750
Tolerance	To1	[%]	$\pm 5\%$
Rated voltage	Un	[Vdc]	900
Ripple voltage	Ur	[Vac]	200
Maximum current	I _{max}	[A _{rms}]	70
Maximum repetitive peak current	I _p	[kA]	3.9
Maximum surge current	I _s	[kA]	10.8
Tangent of the loss angle	tg δ_o	[$\times 10^{-4}$]	≤ 10 (1V, 100Hz, 20° C)
Thermal resistance	R _{th}	[K/W]	4.3
ESR	R _s	[m Ω]	≤ 1.6
Capacitor inductance	L _s	[nH]	45
Maximum rating			
Non-recurrent peak voltage	U _s	[V _p]	1350 (one min per day)
Test values			
between terminals	U _{t-t}	[Vdc]	1350 - 10s
between terminals and case	U _{t-c}	[V]	3000VAC - 50Hz - 60s
Climatic conditions			
Operating temperature	θ_{amb}	[°C]	$\theta_{min} = -40^{\circ}\text{C} / \theta_{max} = +85^{\circ}\text{C}$ (hotspot)
Storage temperature	θ	[°C]	-55 / +85
Expected life time			
Expected lifetime		[h]	$\geq 100,000$ (at $\theta_{hotspot} \leq 70^{\circ}\text{C}$)
Failure quota	λ	FIT	200
Mechanical values			
Weight		[kg]	1.5
material			Al
Terminals			
Type			Copper
Screw bolt			2-M6 x 10
Tightening torque max.		[Nm]	M6=4Nm; M12=15Nm;
Mounted			
			vertical or horizontal or upside-down
Technology			
Dielectric			metallised polypropylene self-healing
Impregnant			solidified epoxy resin
Execution according to			IEC 61071



Unit: mm

	Signature	Date	C4375738Q9J208FIBS			 深圳市创仕鼎电子有限公司
Design	Yiqiu					
Technics	Yiqiu Fu	2024.02.27	Phase	No.	Proportion	C43-900VDC-750uF
Approve			A		1	