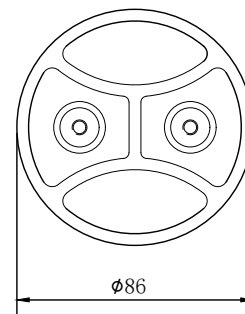
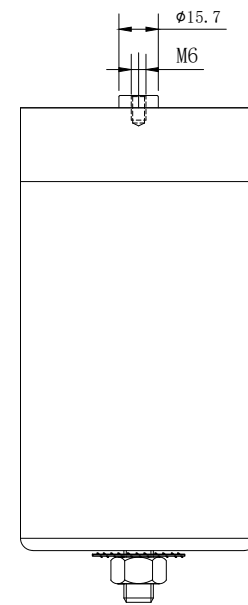
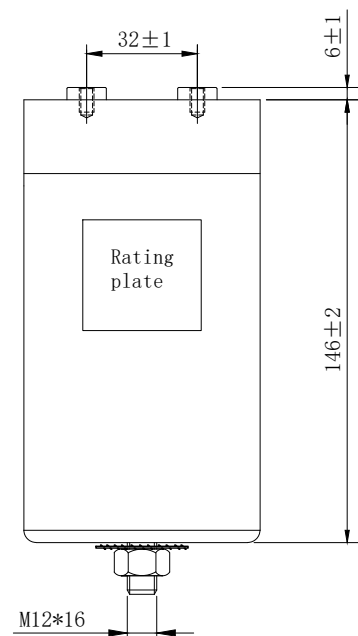



Dc Capacitor			
<u>Nominal values</u>			
Rated capacitance	C _n	[μF]	370
Tolerance		[%]	±5%
Rated voltage	U _n	[Vdc]	1100
Ripple voltage	U _r	[Vac]	250
Maximum current	I _{max}	[Arms]	90 @ ≤60° C
Maximum repetitive peak current	I _p	[kA]	6.8
Maximum surge current	I _s	[kA]	20.4
Tangent of the loss angle	tg δ _o	[x10 ⁻⁴]	≤ 2 (1V, 100Hz, 20° C)
Thermal resistance	R _{th}	[K/W]	2.8
ESR	R _s	[mΩ]	≤0.7
Capacitor inductance	L _s	[nH]	≤40
<u>Maximum rating</u>			
Non-recurrent peak voltage	U _s	[Vp]	1650
Recurrent surge voltage slop	(du/dt) _s	[V/μs]	
<u>Test values</u>			
between terminals	U _{t-t}	[Vdc]	1500 - 10s
between terminals and case	U _{t-c}	[V]	3000 - 50Hz - 60s
<u>Climatic conditions</u>			
Operating temperature	θ _{amb}	[°C]	θ _{min} = -40°C / θ _{max} = +85°C (hotspot)
Storage temperature	θ	[°C]	-55 / +85
<u>Expected life time</u>			
Expected lifetime		[h]	≥100,000 (at θ _{hotspot} ≤70°C)
Failure quota	λ	FIT	≤100
<u>Mechanical values</u>			
Weight		[kg]	1.1
material			Al
<u>Terminals</u>			
Type			Copper
Screw bolt			2-M6 x 10
Tightening torque max.		[Nm]	M6=4Nm; M12=10Nm;
<u>Mounted</u>			
			vertical or horizontal or upside-down
<u>Technology</u>			
Dielectric			metallised polypropylene self-healing
Impregnant			solidified epoxy resin
Execution according to			IEC 61071



Unit: mm

	Signature	Date	C4337748N9J3B8JIBS			 深圳市创仕鼎电子有限公司
Design	Yiqiu					
Technics	Yiqiu Fu	2023.05.17	Phase	No.	Proportion	C43-1100VDC-370uFJ
Approve			A		1	