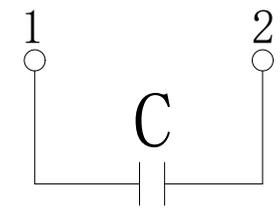
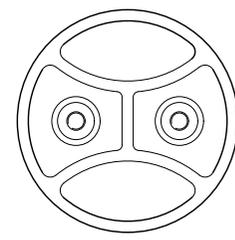
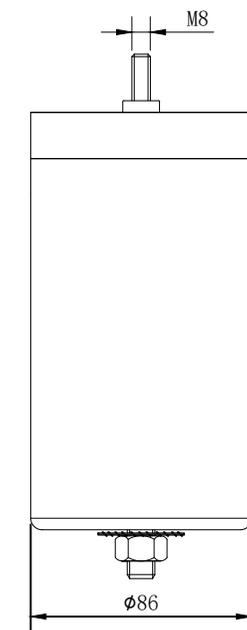
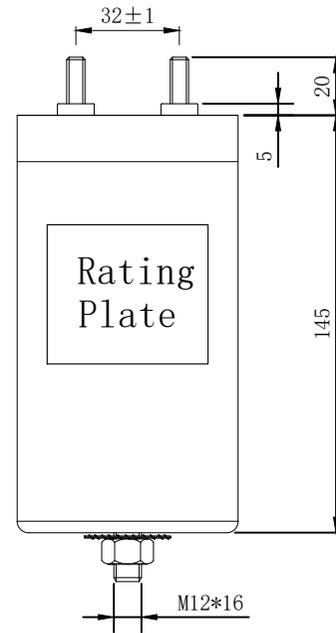


Dc Capacitor			
<u>Nominal values</u>			
Rated capacitance	Cn	[ $\mu$ F]	300
Tolerance		[%]	$\pm 5\%$
Rated voltage	Un	[Vdc]	1250
Ripple voltage	Ur	[Vac]	
Maximum current	I <sub>max</sub>	[Arms]	50
Maximum repetitive peak current	I <sub>p</sub>	[kA]	1.9
Maximum surge current	I <sub>s</sub>	[kA]	5.7
Tangent of the loss angle	tg $\delta_o$	[ $\times 10^{-4}$ ]	$\leq 2$ (1V, 100Hz, 20° C)
Rated energy	Wn	[Ws]	
Thermal resistance	R <sub>th</sub>	[K/W]	4.5
ESR	R <sub>s</sub>	[m $\Omega$ ]	1.8
Capacitor inductance	L <sub>s</sub>	[nH]	45
<u>Maximum rating</u>			
Non-recurrent peak voltage	U <sub>s</sub>	[Vp]	1875
Recurrent surge voltage slop	(du/dt) <sub>s</sub>	[V/ $\mu$ s]	
<u>Test values</u>			
between terminals	U <sub>t-t</sub>	[Vdc]	1875 - 10s
between terminals and case	U <sub>t-c</sub>	[V]	3500 - 50Hz - 60s
<u>Climatic conditions</u>			
Operating temperature	$\theta_{amb}$	[°C]	$\theta_{min} = -40^{\circ}\text{C} / \theta_{max} = +85^{\circ}\text{C}$ (hotspot)
Storage temperature	$\theta$	[°C]	-55 / +85
<u>Expected life time</u>			
Expected lifetime		[h]	$\geq 100,000$ ( at $\theta_{hotspot} \leq 70^{\circ}\text{C}$ )
Failure quota	$\lambda$	FIT	50
<u>Mechanical values</u>			
Weight		[kg]	1.25
material			Al
<u>Terminals</u>			
Type			Copper
Screw bolt			2-M8 x 20
Tightening torque max.		[Nm]	M6=4Nm; M8=8Nm;
<u>Mounted</u>			vertical or horizontal or upside-down
<u>Technology</u>			
Dielectric			metallised polypropylene self-healing
Impregnant			solidified PUR resin
Execution according to			IEC 61071



	Signature	Date	C433075569JD38JIFS			 SHENZHEN CHUANGSHIDING ELECTRONICS CO., LTD
Design			Phase	No.	Proportion	
Technics						C43-1250VDC-300uF
Approve			A	1		