

规格承认书

SPECIFICATION FOR APPROVAL

型号 (Model) : AKMJ-MC

规格 (Spec.) : 3×55.7 μF±5% 850V.AC

尺寸 (Size) : φ136×240

版本号 Version	更改说明 Description	日期 Date
A/0	初始版本	2022-11-29

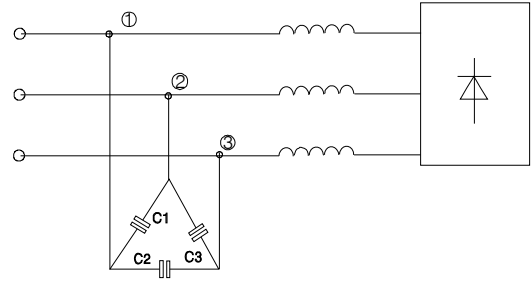
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Application

- Widely used in power electronic equipment for AC filtering;
- Power Factor Correction

Construction

- Dielectric: Polypropylene film
- Concentric winding
- Extruded round aluminum can with stud
- Potting material: Oil
- Safety protection structure: Pressure switch cut off

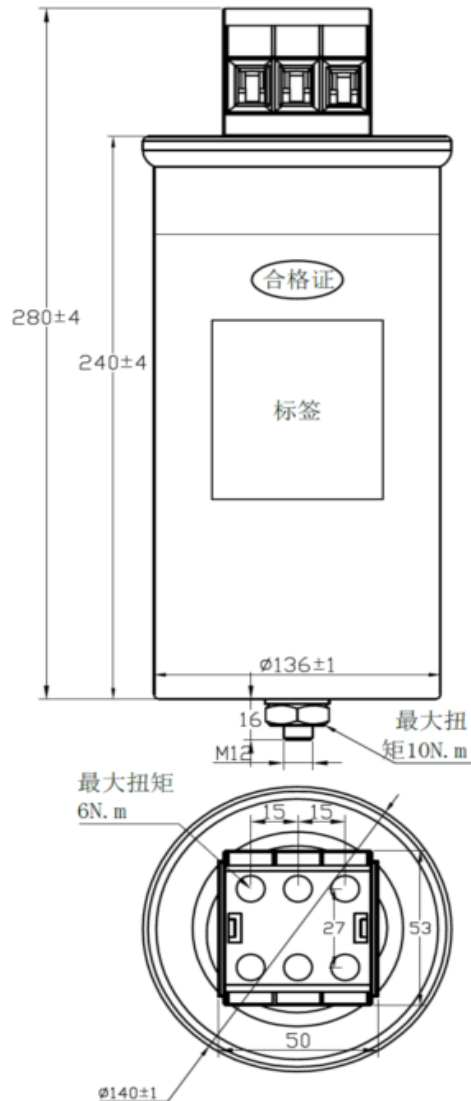


AC filter Capacitors

Standards: IEC61071;

Outline drawing

Unit:mm



Specification & size

C _n (μ F)	Urms(V.AC)	φ D(mm)	H(mm)
3 × 55.7	850	136	240

Technical data

Rated capacitance	C_N	$3 \times 55.7 \mu F(\Delta)$
Tolerance	$\Delta C/C$	$\pm 5\%$
Rated voltage	U_N	850V.AC
Maximum current	$I_{max} @45^\circ C$	$3 \times 45A$
Maximum peak current	\hat{I}	1.9KA
Maximum surge current	I_s	5.9KA
Series resistance	R_s	$\leq 2.0m \Omega @1KHz, 25^\circ C$
Tangent of the loss	$\tan \delta$	0.0010 (100Hz,25°C)
Tangent of the loss angle	$\tan \delta 0$	0.0002
Self discharge time const.	$C \times R_{is}$	10000S (100VDC 60S)
Self inductance	L_e	$\leq 130nH$
Lowest operating temperature	\ominus_{min}	-40°C
Maximum operating temperature	\ominus_{max}	85°C
Thermal resistance	R_{th}	2.4K/W
Storage temperature	$\ominus_{storage}$	-40~85°C
Service life		$ \Delta C/C \leq 5\%$ after 100000h @ U_{rms} , $\theta_{hs} \leq 70^\circ C$
at $\ominus_{hotspot}$		<85 °C
failure quota		100Fit
Test data		
Voltage test between terminals	V_{tt}	2.15Urms/5S
A.C. voltage test terminal/container	V_{t-c}	3600V.AC/2S
Operating altitude		2000m(max)
Humidity		av. rel. < 95%
Weight		$\approx 3.7kg$