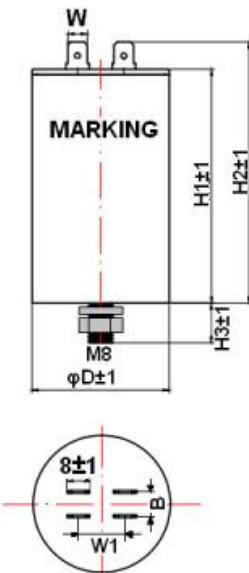
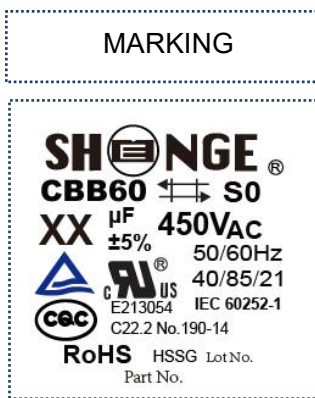

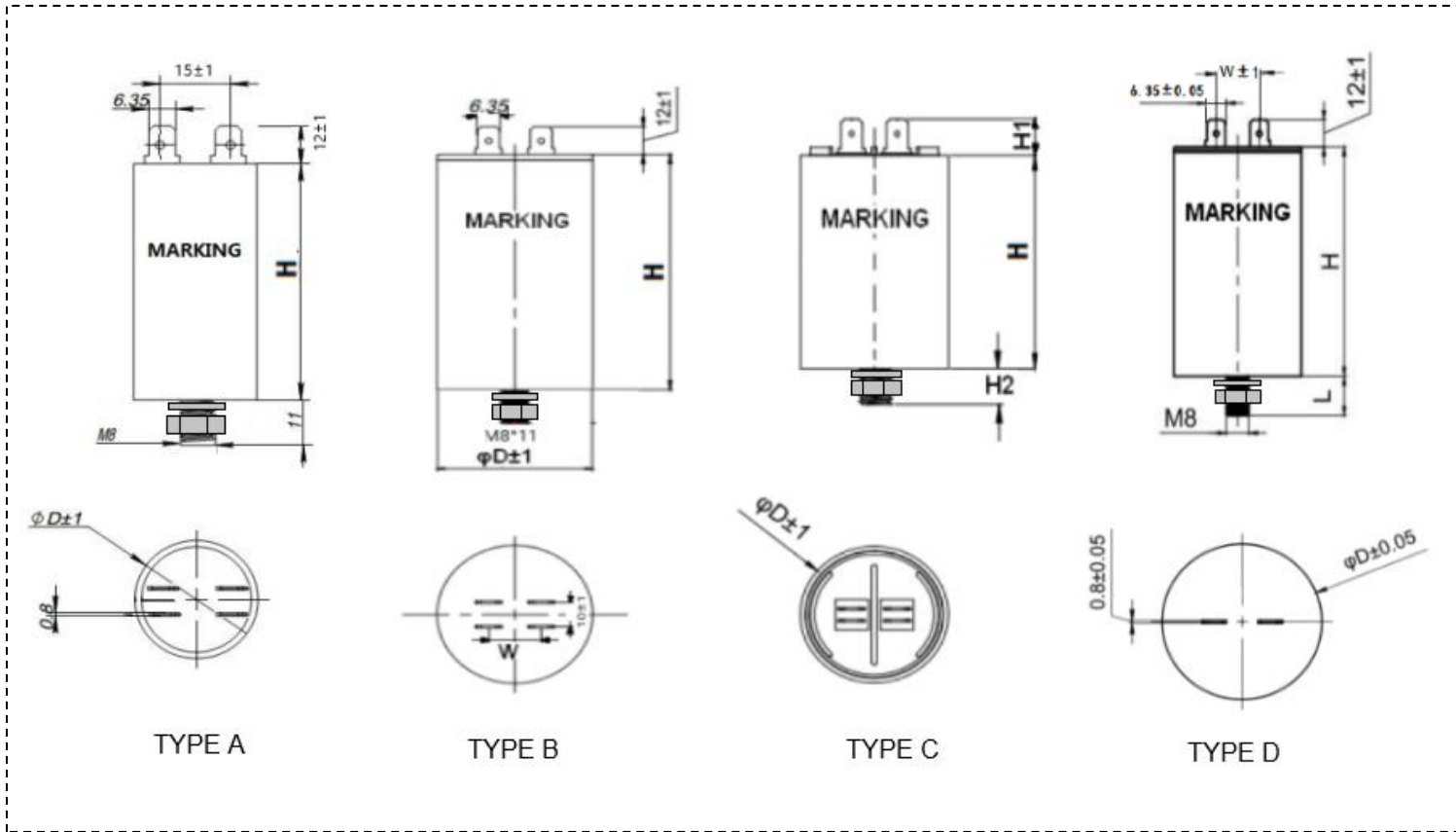


客户名称: Customer:		中怡达			客户确认 / Customer Confirm:	
产品品号 Part No.	产品类型 Model No.	额定电压及频率 Voltage & Frequency	额定容量 Capacitance	备注 Notes	Nuts and gaskets available.	
见附页 Refer to attachment	CBB60	450V _{AC} ; 50/60Hz	见附页 Refer to attachment			
外形尺寸 (mm) Dimension	包装数量 Quantity /Ctn	毛重 Gross Weight	包装尺寸 (mm) Carton Size		 <p>激光打印 Laser Printing:</p> <div style="border: 1px dashed black; padding: 5px; text-align: center;"> <p>MARKING</p>  </div>	
见附页 Refer to attachment	pcs	Kg	415 * 290 * 260			
推行标准 Standard Employ		GB / T3667.1-2016 ; IEC60252-1 ; UL810				
寿命等级 Life Expectancy		/	安全等级 Class of Protection	S0		
耐电压 Voltage Endurance Test		T - T 极间	2Un / 2 seconds			
		T - C 极壳	2.5 KV _{AC} / 2 seconds			
电容偏差 Capacitance Tolerance		±5%				
损耗角正切 Dissipation Factor(tan δ)		≤ 0.0080 (1K Hz)				
气候类别 Climatic Category		-40°C ~ +85°C / 21 天湿热试验				
电容器介质 Dielectric		金属化聚丙烯薄膜 / 自愈性 Metalized Polypropylene Film / Self-Healing				
外壳 Housing		UL94 V0 级阻燃 ABS 外壳 ABS Housing (UL94 V0)			拟制 / Draft: 尹航 2024.01.05 技术员	
引出 Terminals		250# (2+2) 焊片引出/250# (1+1) 250# (2+2) / (1+1) Fast On			CBB60 型金属化聚丙烯薄膜电容器 AC Motor Run Capacitor CBB60 Metalized Film Capacitor	
灌封 Filling		UL94 V0 级阻燃环氧树脂 Epoxy Resin (UL94 V0)			核准 / Authorized: 蒋金华 2024.01.05 技术主管	
					 申格电容 SHENGE Capacitor	

附页 Attachment


单位 Unit: mm

	额定电压 Voltage	额定容量 Cap.	品号 Part No.	直径 D Dia	壳高 H1 Height1	产品高 H2 Height2	端子宽 W Terminal Width	中心距 W1 Center Distance	端子外间距 B Terminal Spacing	螺杆 H3 Screw length	型号 TYPE	损耗 tan δ X10 ⁻⁴
1	450VAC	0.5 μF	0450X503	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
2	450VAC	1 μF	04500110	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
3	450VAC	2 μF	04500249	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
4	450VAC	2.5 μF	0452X529	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
5	450VAC	3 μF	04500377	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
6	450VAC	4 μF	04500498	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15
7	450VAC	5 μF	04500562	35±1	60±2	72±2	6.35±0.1	15±2	/	11±1	D	15
8	450VAC	6 μF	04500694	35±1	60±2	72±2	6.35±0.1	15±2	10±1	11±1	B	15
9	450VAC	8 μF	045008B2	35±1	60±2	72±2	6.35±0.1	15±2	10±1	11±1	B	15
10	450VAC	12 μF	045012A0	36±1	70±2	82±2	6.35±0.1	15±2	10±1	11±1	B	15
11	450VAC	16 μF	04501685	40±1	70±2	82±2	6.35±0.1	15±2	10±1	11±1	B	15
12	450VAC	18 μF	04501847	40±1	70±2	82±2	6.35±0.1	15±2	10±1	11±1	B	15
13	450VAC	20 μF	04502059	40±1	70±2	82±2	6.35±0.1	15±2	10±1	11±1	B	15
14	450VAC	25 μF	04502587	45±1	85±2	97±2	6.35±0.1	15±2	10±1	12±1	B	20
15	450VAC	30 μF	045030A0	45±1	95±2	107±2	6.35±0.1	15±2	10±1	11±1	B	25
16	450VAC	35 μF	04503576	45±1	95±2	107±2	6.35±0.1	15±2	10±1	11±1	B	25
17	450VAC	40 μF	04504095	45±1	95±2	107±2	6.35±0.1	15±2	10±1	11±1	B	30
18	450VAC	50 μF	04505054	50±1	95±2	107±2	6.35±0.1	16±2	10±1	11±1	B	40
19	450VAC	60 μF	04506038	50±1	95±2	107±2	6.35±0.1	16±2	10±1	11±1	B	40
20	450VAC	80 μF	04508026	55±1	120±2	134±2	6.35±0.1	14±2	10±1	12±2	C	50
21	450VAC	100 μF	04510006	60±1	120±2	132±2	6.35±0.1	17±2	10±1	12±2	C	60
22	450VAC	120 μF	04512001	65±1	132±2	144±2	6.35±0.1	17±2	10±1	10±2	C	80
23	450VAC	150 μF	04515001	65±1	132±2	144±2	6.35±0.1	17±2	10±1	10±2	C	100
24	450VAC	10 μF	045010B9	35±1	60±2	72±2	6.35±0.1	15±2	10±1	11±1	B	15
25	450VAC	14 μF	04501458	40±1	70±2	82±2	6.35±0.1	15±2	10±1	11±1	B	15
26	450VAC	1.5 μF	0451X529	28±1	55±2	67±2	6.35±0.1	15±2	10±1	11±1	A	15









SHONGE®
CBB60 S0
XX μ F 450VAC
 $\pm 5\%$ 50/60Hz
UL® 40/85/21
E213054 IEC 60252-1
C22.2 No. 190-14
RoHS HSSG Lot No.
Part No.




 WARNING **Operation Instruction**

1.  WARNING Scope of application:AC motor start up and operation can also be used in power frequency 50/60Hz AC power system to improve power coefficient.

2 Conditions of use

- 2.1  WARNING Recommended to use under altitude 2000m
- 2.2  WARNING Residual voltage when voltage is applied:it shouldn't exceed 10% of nominal voltage
- 2.3  WARNING Defilement:best operating under mildly polluted atmosphere
- 2.4  WARNING Operating temperature between $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 2.5  WARNING Maximum allowable voltage :don't go over 10% of the nominal voltage capacitors subject to lightning over voltage,should place the arrester as close to the capacitor as possible
- 2.6  WARNING **Installation and disassembly**
- 2.6.1 The installation of capacitors should facilitate the dissipation of heat generated by the loss of capacitors by convection and radiation.
- 2.6.2 The temperature of capacitor will increase due to radiation from the sun and hot surface,should prevent capacitors from radiation.
- 2.6.3 When installing and disassembling,the two poles of the capacitor should be discharged to avoid the electric shock between the human body and capacitor,keep away from flammable materials when discharging.
- 2.6.4 Best not to pull the capacitor out of the electrode terminals(wire,terminal,had pins etc)
- 2.6.5 Best not to touch condensers that have not been discharged during operating or after the device is shut down.do not disassemble the capacitor by yourself.
- 2.6.6 Pin capacitance,pay attention to control welding temperature and welding time when welding to PCB board,best not to disassembled and installed again.

3. Store

- 3.1  WARNING **Storage Temperature**
storage temperature in the range of $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 3.2  WARNING **Storage Humidity**
average annual humidity $\leq 75\%$ R.H.
occasionally $\leq 85\%$ R.H.
relative humidity $\leq 95\%$ R.H. per year for no more than one month
- 3.3  WARNING **Period of Use**
It is recommended to use the machine within 1 year.
Not installed for more than 1 year,it is recommended to use after retesting.
Not used for more than 2 years,not recommended to use.
In order to ensure that the capacitor operates in its best condition,if the production date is more than 3 years or the running time exceeds 10000 hours,please replace the capacitor.

4.  Product Substance

Substance content verification result by RoHS Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU.