

SHANGHAI GREEN TECH CO.,LTD.

MKP89H film capacitor

1.MKP89H Application:With the characteristics of self-healing performance ,high reliability and so on,widely used in DC, pulse, high frequency, high stability electrical appliances.

2.Product Naming:The nomenclature of film capacitors generally consists of five parts:The first part: capacitor structure, M is metallization. The second part: K stands for capacitor. The third part: the type of medium, P stands for polypropylene. The fourth part: serial number. Part 5: Special use, H stands for high voltage.

3. Outline signs and dimensions

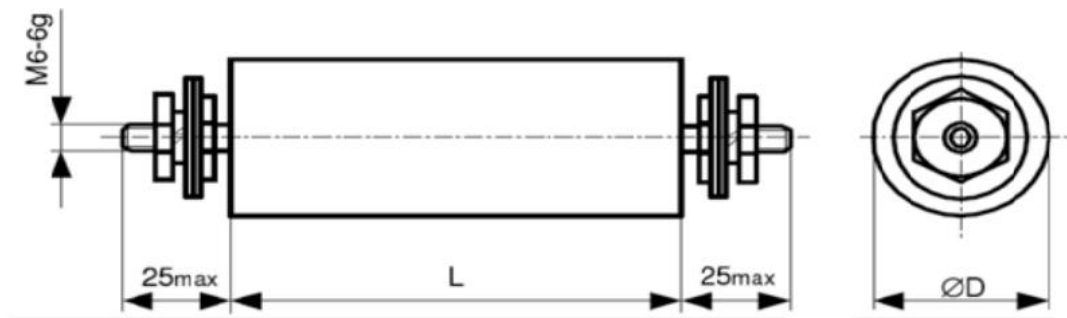
3.1The mark of capacitor

- ① customer Logo ② Product type ③ Rated capacitance
- ④ Capacitance Tolerance ⑤ Rated Voltage

3.2Appearance requirements

- ①The appearance of the encapsulation layer is intact, the appearance is shiny, no pores, burrs, etc.
- ②The printing is clear, correct, intact and firm.
- ③There is no serious damage to the lead wire.
- ④The dimensions and graphics are in line with the customer's requirements, see the outline drawing

3.3 Capacitor shape and structure chart



Specification		
Item	$D\pm 2$ (mm)	$L\pm 4$ (mm)
MKP89H-40KV-103J	48	270
MKP89H-40KV-223J	48	270
MKP89H-40KV-473J	67	270

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4.MKP89H Technical requirement

Technical requirement	Specifications													
Reference Standard	IEC60384-17													
Operating temperature	-25°C~+105°C													
Capacitance Tolerance	±5%													
Withstand voltage	1.2Ur(5S)													
Dissipation Factor	≤0.005(20°C 1KHZ)													
Insulation Resistance	IR≥5000MΩ(20°C 1min)													
Max pulse current	10nF:500A	22nF:900A	47nF:2000A											
RMS of AC ripple voltage	≤1%*Ur													
Minimum Pulse Voltage Repetition Frequency	0.1Hz													
Maximum Pulse Voltage Repetition Frequency	1.0Hz													
Minimum charging time	100ms													
Maximum charging time	500ms													
Maximum discharge time	300ns													
Minimum Life	<p>1.The continuous or cumulative working life of 85 ° C and below, rated voltage, maximum frequency and below, maximum current and below is greater than or equal to 5000h.</p> <p>2.Under non-rated conditions, the continuous or cumulative life of the pulse current which does not exceed the maximum value is shown in the figure below.</p>													
	<p>Note: The manufacturer of defective products which meets the above conditions and delivery time within one year is responsible for providing replacement products.</p>													
	<table border="1"> <caption>Approximate data points from the Minimum Life graph</caption> <thead> <tr> <th>Operating temperature</th> <th>Uo/Ur = 1.00</th> <th>Uo/Ur = 1.10</th> <th>Uo/Ur = 1.20</th> </tr> </thead> <tbody> <tr> <td>90°C (Blue line)</td> <td>~10000h</td> <td>~5000h</td> <td>~2500h</td> </tr> <tr> <td>85°C and below (Green line)</td> <td>~10000h</td> <td>~5000h</td> <td>~2500h</td> </tr> </tbody> </table>			Operating temperature	Uo/Ur = 1.00	Uo/Ur = 1.10	Uo/Ur = 1.20	90°C (Blue line)	~10000h	~5000h	~2500h	85°C and below (Green line)	~10000h	~5000h
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5.Packaging and shipping requirements

5.1 Labels should be marked on the inside of the packages and on the boxes.

1. Customer Logo 2. Product type 3. Rated capacitance 4. Capacitance Tolerance 5. Rated Voltage
6. Production batch number or production date 7. Quantity 8. Tester 9. Packer

5.2 Packing Way

The capacitors are packed in cartons and have anti-collision and anti-shock measures.

5.3 Shipping requirements

Packaging boxes with capacitors are allowed to be transported in any way, but direct rain and snow and mechanical damage should be avoided.

5.4 Certificate Lable

6 Revision notes

6.1. We will inform you in time if there are any relevant materials and product changes.

6.2. If the product has special characteristics, we will explain it separately.

6.3 For unknown proposal, please contact us promptly.

7. If this specification is not returned within six months, it shall be deemed invalid (if an order has been placed within six months, it shall be deemed accepted).