

Type MEC-HC

DC Filter Capacitor

Shizuki™ MEC-HC capacitors are designed with ease of mounting and space utilization in mind. Their internal construction achieves low inductance and very low ESR. These qualities enable the reduction or elimination of the snubber circuit. As a result, they can handle much higher ripple current, and the bulk capacitance can also be reduced. These capacitors have self healing and internal fusing mechanisms in order to achieve higher safety at end of life.

Applications include but are not limited to: frequency converters, solar power inverters and DC filtering applications.



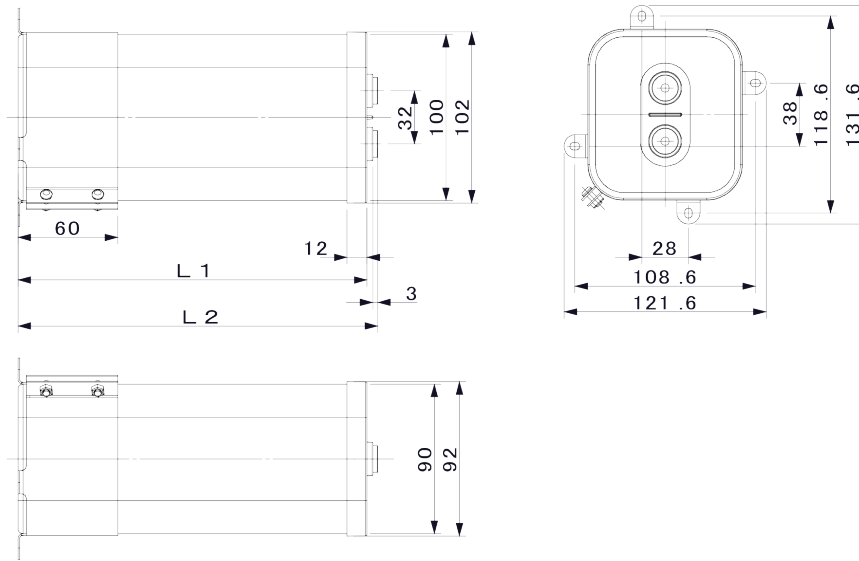
General Specifications

Parameter	Value
Rated voltage	800VDC
Capacitance	400µF , 800µF
Tolerance	±10%
Temperature Range (operational)	-40/85C
RMS Current	60 Arms for 400µF, 80Arms for 800µF
ESL	35nH
ESR at 20C, 10kHz	0.8mOhm for 400µF, 0.6mOhm for 800µF
Leakage current	Less than 0.01mA at 500V 1min 20C
Standards	IEC61071
Maximum permissible voltage	1.5 x Rated voltage
Current durability 3000 times	500A2s for 400µF, 1000A2s for 800uF
Expected lifetime	150,000hrs at 60degC and full rated voltage

Applications

MEC-HC Capacitors are specifically designed for DC filtering, Frequency Converters and Inverters for induction heaters.

Dimensions [mm]:



Ordering Information

Type	Capacitance	Tolerance	Voltage	Order Codes
MEC-HC	400	10%	800	MEC-HC 400uF 10% 800V
MEC-HC	800	10%	800	MEC-HC 800uF 10% 800V

American Shizuki Capacitors specializes in creating made-to-order solutions for your unique application. Please don't hesitate to ask us about customized components.

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