

# RoHS Compliant Thermal Cutoff / Resistor

# ELCUT BZ Series




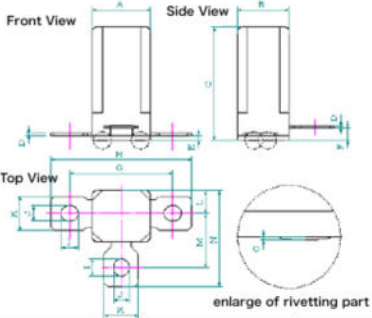
Part Number	Thermal Cutoff			Resistor				
	Electrical Rating		Operating Temperature Range (°C)	Nominal Resistance (Ω)	Resistance Tolerance (%)	Rated Power (W)	Operating Electric Power (W)	Voltage (V DC)
	Ampere (A)	Voltage (V)						
BZ05-300	75	100 DC	-20~120	30	± 5	1	30~60	67
BZ05-500	75	100 DC	-20~120	50	± 5	1	30~60	67
BZ05-800	75	100 DC	-20~120	80	± 5	1	30~60	67

UL, E106175

※1 This is maximum voltage value at which BZ05 can open a circuit under rated current condition. (Please note it is different from voltage value that can be applied to resistor part.). Please use BZ05 in accordance with the derating curve, if voltage exceeds 60V.

※Please use BZ05 in accordance with the derating curve, if ambient temperature exceeds 70°C.

※Resistance value can be changed 4.7Ω~160Ω(±5%) as new type. UL1412 contains no provisions concerning rated current, so above-mentioned is our own specification.

		Features					Diagram		
		<ul style="list-style-type: none"> <li>• High current capacity, 75A DC</li> <li>• It can open a circuit quickly, within 60 seconds at room temperature by low signal current (below 1.5A).</li> <li>• Resistor portion is connected to fuse portion electrically -it can cut off both portions simultaneously.</li> <li>• It can be installed by fastening screws.</li> <li>• It is suitable for overcharge protection circuit of lithium-ion battery packs.</li> <li>• REACH compliant.</li> </ul>							
Dimensions (mm)	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	
	17.1 + 0.5 / -1.0	15.0+ 0.5 / -1.0	33.0 ± 0.5	0.5 ± 0.1	1.5 ± 0.5	3.6± 0.7	30.0± 0.5	47.5± 0.5	
	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>		
	5.9±0.1	5.4±0.1	10.0 ± 0.1	6.7±0.5	15.8±1.0	28.0± 1.0	MAX 0.5		

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