

Catalog Number	Current Rating	Approvals					I <sup>2</sup> T Reference (A <sup>2</sup> Sec.)
		cULus	CQC	VDE	PSE	KC	
Bkz100b	100mA	•					---
Bkz125b	125mA	•					0.07
Bkz160b	160mA	•					0.12
Bkz200b	200mA	•					0.12
Bkz250b	250mA	•					0.30
Bkz315b	315mA	•					0.70
Bkz400b	400mA	•					0.70
Bkz500b	500mA	•					1.38
Bkz630b	630mA	•					2.30
Bkz800b	800mA	•					3.65
BkzA01.00b	1A	•	•	•	•	•	5.70
BkzA01.25b	1.25A	•	•	•	•	•	7.15
BkzA01.60b	1.6A	•	•	•	•	•	15
BkzA02.00b	2A	•	•	•	•	•	31
BkzA02.50b	2.5A	•	•	•	•	•	36
BkzA03.00b	3A	•			•		52
BkzA03.15b	3.15A	•	•	•	•	•	66
BkzA03.50b	3.5A	•			•		75
BkzA04.00b	4A	•	•	•	•	•	90
BkzA05.00b	5A	•	•	•	•	•	148
BkzA06.30b	6.3A	•	•	•	•	•	264
BkzA08.00b	8A	•	•		•		---
BkzA10.00b	10A	•	•		•		---

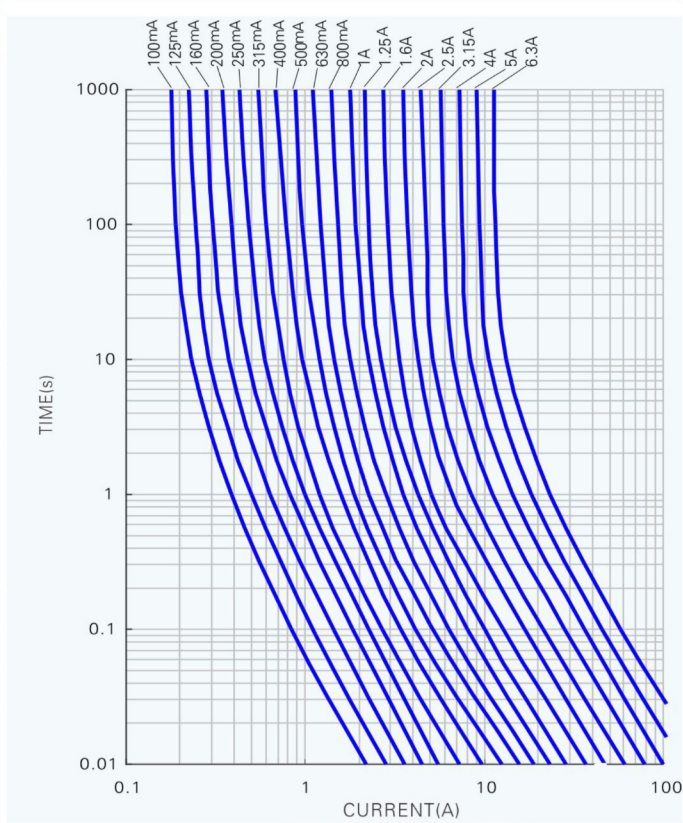
• Denotes For Approved

Operating Temperature	Storage Temperature	Resistance to soldering heat
-55°C ~ 125°C	-55°C ~ 85°C	260°C, 10S Max.

### Interrupting Rating

CQC/VDE/KC:  
 35 amperes or 10In 250V AC whichever is greater  
 PSE:100A 250V AC  
 cULus:50A 250V AC and 50A 350V AC

### Average I-T Characteristics Curves





### Electrical Characteristics

% of Current Rating		Opening Time
210%	Max.	2 minutes
	Min.	400ms
275%	Max.	10 seconds
	Min.	150ms
400%	Max.	3 seconds
	Min.	20ms
1000%	Max.	150ms

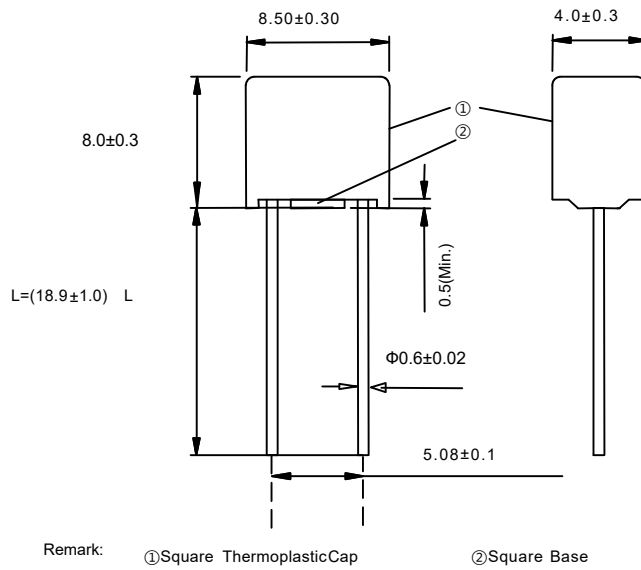
## PART NUMBER

PART NUMBER	RATED CURRENT	RATED VOLTAGE	PART NUMBER	RATED CURRENT	RATED VOLTAGE
Bkz100b	100mA	250V/ <b>300V</b> /350V	BkzA02.00b	2A	250V/ <b>300V</b> /350V
Bkz125b	125mA	250V/ <b>300V</b> /350V	BkzA02.50b	2.5A	250V/ <b>300V</b> /350V
Bkz160b	160mA	250V/ <b>300V</b> /350V	BkzA03.00b	3A	250V/ <b>300V</b> /350V
Bkz200b	200mA	250V/ <b>300V</b> /350V	BkzA03.15b	3.15A	250V/ <b>300V</b> /350V
Bkz250b	250mA	250V/ <b>300V</b> /350V	BkzA03.50b	3.5A	250V/ <b>300V</b> /350V
Bkz315b	315mA	250V/ <b>300V</b> /350V	BkzA04.00b	4A	250V/ <b>300V</b> /350V
Bkz400b	400mA	250V/ <b>300V</b> /350V	BkzA05.00b	5A	250V/ <b>300V</b> /350V
Bkz500b	500mA	250V/ <b>300V</b> /350V	BkzA06.30b	6.3A	250V/ <b>300V</b> /350V
Bkz630b	630mA	250V/ <b>300V</b> /350V	BkzA07.00b	7A	250V/ <b>300V</b> /350V
Bkz800b	800mA	250V/ <b>300V</b> /350V	BkzA08.00b	8A	250V/ <b>300V</b> /350V
BkzA01.00b	1A	250V/ <b>300V</b> /350V	BkzA10.00b	10A	250V/ <b>300V</b> /350V
BkzA01.25b	1.25A	250V/ <b>300V</b> /350V	BkzA15.00b	15A	250V
BkzA01.60b	1.6A	250V/ <b>300V</b> /350V			

## APPROVED DETAILS

UR	E324232	100mA-10A	250V/ <b>300V</b> /350V
CQC	CQC11012061303	1A/1.25A/1.6A/2A/2.5A/3.15A/4A /5A/6.3A/8A/ <b>10A</b>	250V
VDE 	40034107	1A/1.25A/1.6A/2A/2.5A/ 3.15A/4A/5A/6.3A	
KC 	SU05032-13005	1A/1.25A/1.6A/2A/2.5A	
	SU05032-13006	3.15A/4A/5A/6.3A	
PSE	JET6223-31007-1001	1A-5A	
	JET6223-31007-1002	6.3A-15A	

CONSTRUCTION FIG. & DIMENSION (mm)



NO	PART	MATERIAL	REMARK	
1	Square Thermoplastic Cap	Thermoplastic	Mahogany	Black
2	Base	Thermoplastic	Black	
3	Lead	Tin Plated Copper Wire	/	
4	Solder	Pb Free	/	
5	Fusible Element	Glass Fiber+ Metal Wire	/	

SQUARE THERMOPLASTIC CAP

Square Thermoplastic Cap shall have no defects such as crack, injury and contamination.

FLAMMABILITY CLASSIFICATION: UL 94V-0.

MECHANICAL PERFORMANCES

Fuse shall withstand the following two tests.

TENSILE TEST

When fuse is fixed and the tensile force 10N is applied in a direction to lead, no looseness of leads and square thermoplastic cap or damage of square thermoplastic cap shall occur.

THRUST TEST

When fuse is fixed and the thrust 2N is applied in a direction to lead, no looseness of leads and square thermoplastic cap or damage of square thermoplastic cap shall occur.

ELECTRICAL PERFORMANCES

All electrical tests are conducted at a ambient temperature of 24±3°C. The ambient temperature is not allowed to vary more than 5°C during the test, and must be within these limits.

Each fuse-holder is to be mounted horizontally on a test board of non-conducting bakelite, so that each fuse under test is held in a horizontal position above the board

#### Voltage drop

The voltage drop across the fuse-link at their rated current shall not exceed the maximum values is in follows:

Rated current(A)	Rated Voltage(V)	Maximum Voltage drop(mV)	Maximum sustained Power dissipation (mW)	(I <sup>2</sup> T) (A <sup>2</sup> Sec) (Average Referencje)
100mA	250V/ <b>300V</b> /350V	350	170	0.07
125mA		300	180	
160mA		280	190	
200mA		260	200	
250mA		240	220	
315mA		220	250	
400mA		200	280	
500mA		190	310	
630mA		180	360	
800mA		160	430	
1A		140	500	
1.25A		130	600	
1.6A		120	730	
2A		100	870	
2.5A		100	1000	
3.15A		100	1200	
4A		100	1400	
5A		100	1680	
6.3A		100	2000	
<b>8A</b>		<b>100</b>	<b>2500</b>	
<b>10</b>	<b>100</b>	<b>3000</b>	<b>464</b>	

#### Pre-arcing time-current characteristics

Rated Current	2.1I <sub>n</sub>		2.75I <sub>n</sub>		4I <sub>n</sub>		10I <sub>n</sub>	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
100mA- <b>10A</b>	2min.	400ms	10sec.	150ms	3sec.	20ms	150ms	

#### BREAKING CAPACITY

Rated breaking capacity is 35A or 10I<sub>n</sub> whichever is greater, tested with A.C. 250V And after this test, 50A, **300V**, AC, 50A, 350V, AC, there shall be not damaged or shattered of the square thermoplastic cap.

- 1) Wave soldering: 260°C, 10sec. Max..
- 2) Manual soldering: 300°C, 3sec. Max..

