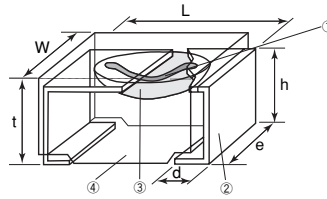
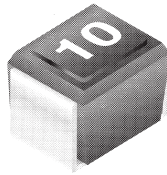
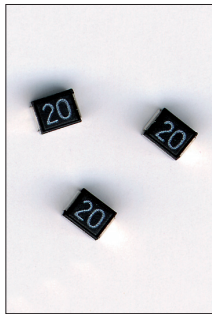


CIRCUIT PROTECTORS

**MICRO FUSE
CCP**



STRUCTURE

- 1 External electrode
- 2 Fuse wire (Al-alloy wire)
- 3 Internal electrode (Cu, Ni plated)
- 4 Molding (epoxy resin)

IDENTIFICATION

TYPE	COATING COLOR	MARKING
CCP 2B, CCP 2E	Black	White, 2 digits

Products with Pb-free terminations meet EU-RoHS and China-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

CCP	2E	38	T	TE
PRODUCT CODE	STYLE 2B: 1206 2E: 1210	FUSING CURRENT (see below)	FUSING MAGNIFICATION *Blank*: 200%(2B), 250%(2E) H: 200% (2E)	TERMINATION SURFACE MATERIAL T: Sn (Blank: Sn/Pb)
				TAPING* TE, BK *Please see "PACKAGING"

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

FEATURES

- Immediate cutting off against excessive current of circuit without generation of heat and fuming
- Excellent dimension accuracy, mountability and shock-resistance due to plastic molding
- Excellent terminal strength and solderability due to metal electrode
- Rated ambient temperature: + 70° C
- Operation temperature range: -40° C ... +125° C
- Suitable for reflow and wave soldering
- Awarded approvals: UL 248.14 File No. E131375
c-UL (CSA) C22.2 No. 248.14 File No. E131375

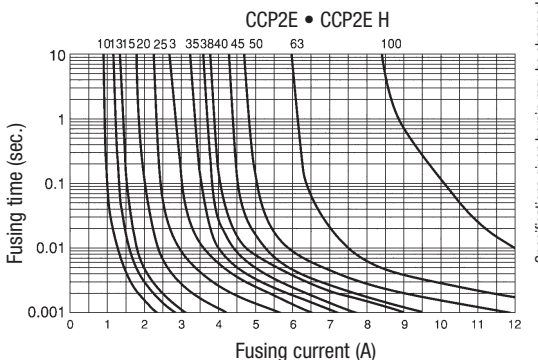
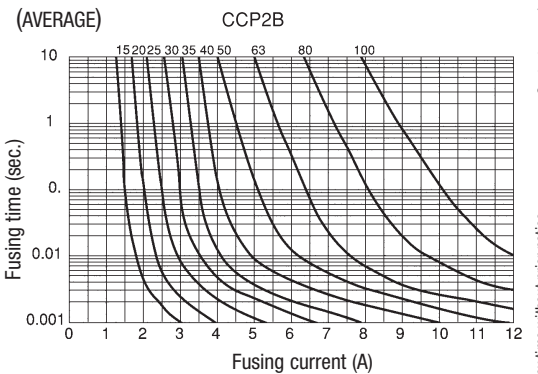
DIMENSIONS (mm)

SIZE	TYPE	L	W	t	e	h	d
1206	CCP 2B	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.2	1.2 ± 0.1	0.8 ± 0.1	0.6 ± 0.1
1210	CCP 2E	3.2 ± 0.2	2.5 ± 0.2	2.2 ± 0.2	1.7 ± 0.1	1.9 ± 0.1	0.5 ± 0.1

RATING

SIZE	TYPE	RATED* CURRENT	FUSING CURRENT	FUSING TIME	INTERNAL RESISTANCE (MAX.)	RATED VOLTAGE
1206	CCP 2B 15	0.75 A	1.5 A	open within 1 sec at 200% rated current	150 mΩ	24 V** (40 V/76 V)
	CCP 2B 20	1.00 A	2.0 A		100 mΩ	
	CCP 2B 25	1.25 A	2.5 A		75 mΩ	
	CCP 2B 30	1.50 A	3.0 A		60 mΩ	
	CCP 2B 35	1.75 A	3.5 A		50 mΩ	
	CCP 2B 40	2.00 A	4.0 A		45 mΩ	
	CCP 2B 50	2.50 A	5.0 A		35 mΩ	
	CCP 2B 63	3.15 A	6.3 A		23 mΩ	
	CCP 2B 80	4.00 A	8.0 A		19 mΩ	
	CCP 2B 100	5.00 A	10.0 A		15 mΩ	
1210	CCP 2E 10	0.4 A	1.0 A	open within 1 sec at 250% rated current	200 mΩ	72 V
	CCP 2E 13	0.52 A	1.3 A		170 mΩ	
	CCP 2E 15	0.6 A	1.5 A		150 mΩ	
	CCP 2E 20	0.8 A	2.0 A		100 mΩ	
	CCP 2E 25	1.0 A	2.5 A		75 mΩ	
	CCP 2E 30	1.2 A	3.0 A		60 mΩ	
	CCP 2E 35	1.4 A	3.5 A		50 mΩ	
	CCP 2E 38	1.5 A	3.8 A		48 mΩ	
	CCP 2E 40	1.6 A	4.0 A		45 mΩ	
	CCP 2E 45	1.8 A	4.5 A		40 mΩ	
	CCP 2E 50	2.0 A	5.0 A	35 mΩ		
	CCP 2E 63	2.5 A	6.25 A	23 mΩ		
	CCP 2E 100	4.0 A	10.0 A	15 mΩ		
	CCP 2E 10 H	0.50 A	1.0 A	open within 1 sec at 200% rated current	200 mΩ	
	CCP 2E 13 H	0.65 A	1.3 A		170 mΩ	
	CCP 2E 15 H	0.75 A	1.5 A		150 mΩ	
	CCP 2E 20 H	1.00 A	2.0 A		100 mΩ	
	CCP 2E 25 H	1.25 A	2.5 A		75 mΩ	
	CCP 2E 30 H	1.50 A	3.0 A		60 mΩ	
	CCP 2E 35 H	1.75 A	3.5 A		50 mΩ	
CCP 2E 38 H	1.90 A	3.8 A	48 mΩ			
CCP 2E 40 H	2.00 A	4.0 A	45 mΩ			
CCP 2E 45 H	2.25 A	4.5 A	40 mΩ			
CCP 2E 50 H	2.50 A	5.0 A	35 mΩ			
CCP 2E 63 H	3.15 A	6.3 A	23 mΩ			

FUSING CHARACTERISTICS



* Rated current needs to be derated if part is used at an higher ambient temperature than rated.
** High rated voltage (76V: 0.75A~3.15A, 40V: 4A~5A) is also available. Please call KOA.

Please contact KOA for special precautions before you order and use this series.

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order or use.