

Micro Chip Fuse

Type: **ERB RD**
ERB RE
ERB RG



Features

- Small size
- Fast-acting and withstanding in-rush current characteristics
- RoHS compliant

Approved Safety Standards

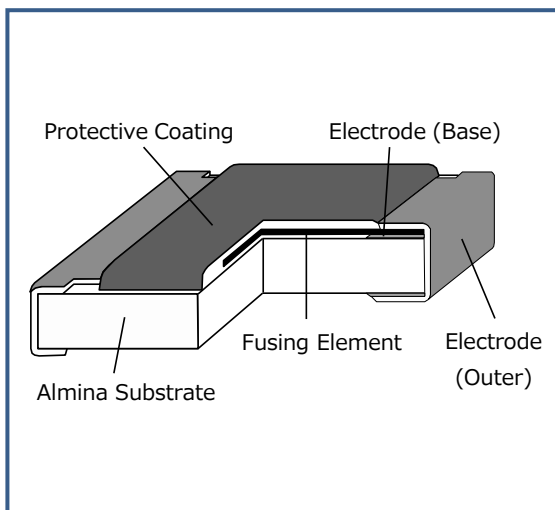
UL248-14 : File No.E194052

c-UL C22.2 No.248-14 : File No.E194052

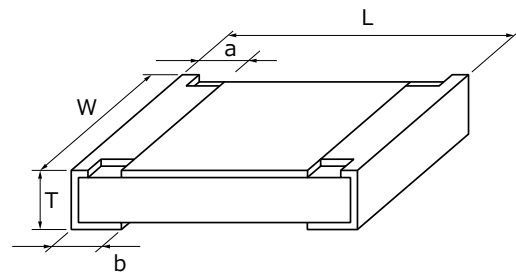
Explanation of Part Numbers

1		2		3		4		5		6		7		8		9		10	
E		R		B		R		D		1		R		0		0		X	
Product Code		Structure		Product shape						Rated Current(A)						Packaging Methods			
Micro Chip Fuse		R Rectangular type		D 0402 inch size (1.0 mm×0.5 mm)		E 0603 inch size (1.6 mm×0.8 mm)		G 1206 inch size (3.2 mm×1.6 mm)		0R25 0.25A 1R40 1.4A		0R31 0.315A 1R50 1.5A		0R37 0.375A 2R00 2.0A		0R50 0.50A 2R50 2.5A		0R63 0.63A 3R00 3.0A	
										0R75 0.75A 3R15 3.15A		1R00 1.0A 4R00 4.0A		1R25 1.25A 5R00 5.0A		X Pressed Carrier Taping 2 mm pitch, 10,000 pcs		ERBRD	
																V Punched Carrier Taping 4mm pitch, 5,000 pcs		ERBRE ERBRG	

Construction



Dimensions in mm (not to scale)



Part No. (inch size)	Dimensions(mm)					Mass (Weight) (g/1000 pcs)
	L	W	a	b	T	
ERBRD (0402)	1.00±0.10	0.50 ^{+0.10} _{-0.05}	0.15±0.10	0.25±0.10	0.39±0.10	0.7
ERBRE (0603)	1.60±0.15	0.80 ^{+0.15} _{-0.05}	0.24±0.15	0.30±0.15	0.54±0.10	2.2
ERBRG (1206)	3.20±0.20	1.60±0.15	0.30±0.20	0.55±0.20	0.65±0.10	10

Ratings

● 0402 inch / 1005 mm size : Type ERBRD

Part No.	ERBRD□R□□X													
	0R25	0R31	0R37	0R50	0R63	0R75	1R00	1R25	1R50	2R00	2R50	3R00	4R00	5R00
Rated Current(A)	0.25	0.315	0.375	0.5	0.63	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
Marking Code	V	X	Y	F	6	G	H	J	K	N	O	P	S	T
Internal R(mΩ) at 25 °C max.	700	520	440	310	220	190	125	82	70	53	42	37	24	19.5
Fusing Current/ Fusing Time (at 25 °C)	Rated Current ×100 % /4 hours min.													
	Rated Current ×200 % / 5 seconds max.													
	Rated Current ×300 % /0.2 seconds max.													
Rated Voltage (Open Circuit Voltage) (V)DC	32													
Interrupting Rating at Rated Voltage(A)	35													
Category Temp. Range(°C)	-40 to +125													

● 0603 inch / 1608 mm size : Type ERBRE

Part No.	ERBRE□R□□V											
	0R50	0R75	1R00	1R25	1R40	1R50	2R00	2R50	3R00	3R15	4R00	5R00
Rated Current(A)	0.5	0.75	1.0	1.25	1.4	1.5	2.0	2.5	3.0	3.15	4.0	5.0
Marking Code	F	G	H	J	14	K	N	O	P	31	S	T
Internal R(mΩ) at 25 °C max.	330	190	125	94	85	72	51	40	33	32	22	19
Fusing Current/ Fusing Time (at 25 °C)	Rated Current ×100 % /4 hours min.											
	Rated Current ×200 % / 5 seconds max.											
	Rated Current ×300 % /0.2 seconds max.											
Rated Voltage (Open Circuit Voltage) (V)DC	32											
Interrupting Rating at Rated Voltage(A)	50											
Category Temp. Range(°C)	-40 to +125											

● 1206 inch / 3216 mm size : Type ERBRG

Part No.	ERBRG□R□□V								
	0R50	0R75	1R00	1R25	1R50	2R00	2R50	3R00	4R00
Rated Current(A)	0.5	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0
Marking Code	F	G	H	J	K	N	O	P	S
Internal R(mΩ) at 25 ℃ max.	560	340	210	175	115	85	65	45	35
Fusing Current/ Fusing Time (at 25 ℃)	Rated Current ×100 % /4 hours min.								
	Rated Current ×200 % / 5 seconds max.								
	Rated Current ×300 % /0.2 seconds max.								
Rated Voltage (Open Circuit Voltage) (V)DC	63						32		
Interrupting Rating at Rated Voltage(A)	50								
Category Temp. Range(℃)	-40 to +125								

*The thin type is available about 1005 (0402 inch) size. Please contact us for details.

*Please contact us when another rated current is needed.