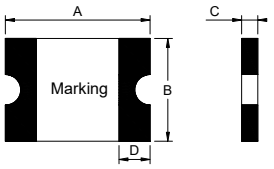
1、Physical Dimensions(size of 0402)

Unit:mm

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
KASML010	0.95	1.25	0.45	0.75	0.35	0.65	0.10	White



2、Electrical Characteristics

● Vmax= 6 Vdc ● Imax= 40 A

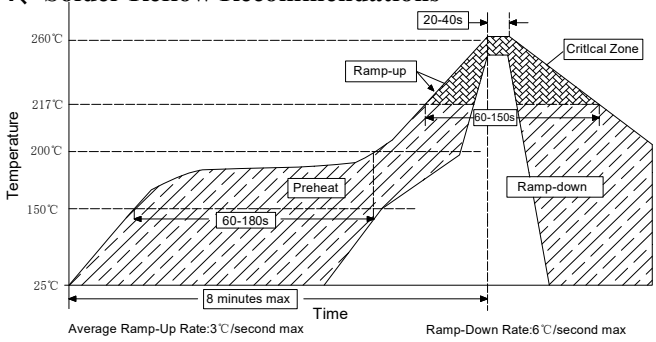
Model	Hold current and Trip current (AMPS)				Time To Trip (Sec.)		Pd_{typ} (W)	R_{min} (Ω)	$R1_{max}$ (Ω)
KASML010	25℃		70℃		0.5A @ 25℃		25℃,6 V	25℃	25℃
	I-hold	I-trip	I-hold	I-trip	Min	Max	Max	0.150	2.000
	0.10	0.30	0.06	0.18	-	1.00	0.50		

I-hold: Holding Current: maximum current at which the device will not trip in 25℃or 60℃ still air.
I-trip: Tripping Current minimum current at which the device will trip in 25℃or 60℃ still air.
V_{max}: Maximum voltage device can withstand without damage at rated current.
I_{max}: Maximum fault current device can withstand without damage at rated voltage.
Time To Trip: Maximum time to trip(s) at assigned current.
Pd_{typ}: Rated working power.
R_{min}: Minimum resistance of device prior to trip at 25℃.
$R1_{max}$: Maximum resistance of device is measured one hours post reflow at 25℃.
Noted: All electrical function test is conducted after PCB mounted.

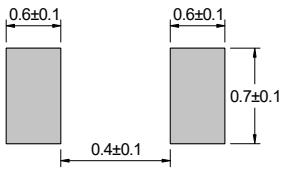
3、Thermal Derating

KASML010	Maximum ambient operating temperature								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
Hold Current(A)	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05
Trip Current(A)	0.39	0.36	0.33	0.30	0.27	0.24	0.21	0.18	0.15

4、Solder Reflow Recommendations



Recommended Pad Layout(mm)



Notes:If reflow temperatures exceed the recommended profile,devices may not meet the performance requirements.

5、Package Information

Packing quantity:10000pcs/Reel

Note:Reel packaging per EIA-481-1 standard