KUU SEMICONDUCTOR

KNSMD035/30

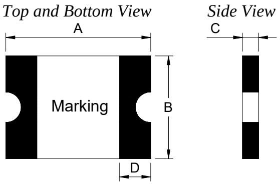
Polymer PTC Resettable Fuse

Datasheet

1、Physical Dimensions(size of 1206)

Unit:mm

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
KNSMD035/30	3.00	3.40	1.40	1.80	0.75	1.45	0.25	T04



2、Electrical Characteristics

Part Number	I_H (A)	I_T (A)	V_{max} (V)	I_{max} (A)	T_{trip} (Max time to trip) Current(A)	Time(S)	Pd typ (W)	R min (Ω)	$R1_{max}$ (Ω)
KNSMD035/30	0.35	0.75	30	40	8.00	0.10	0.60	0.300	1.750

I_H: Holding Current: maximum current at which the device will not trip in 25°C still air.

I_T: Tripping Current minimum current at which the device will trip in 25℃ 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.

T_{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°C.

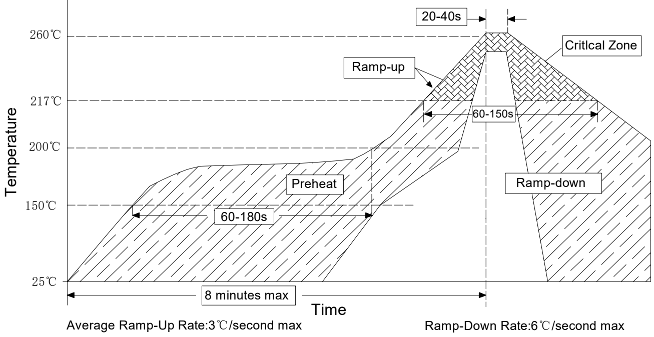
$R1_{max}$: Maximum resistance of device is measured one hours post reflow at 25°C.

Noted: All electrical function test is conducted after PCB mounted.

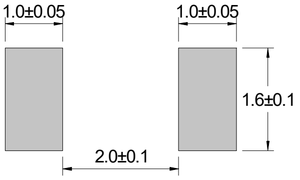
3、Thermal Derating

KNSMD035/30	Maximum ambient operating temperature								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
Hold Current(A)	0.51	0.46	0.40	0.35	0.30	0.27	0.24	0.22	0.18
Trip Current(A)	1.09	0.99	0.86	0.75	0.64	0.58	0.51	0.47	0.39

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:4000PCS/Reel

Note:Reel packaging per EIA-481-1 standard