LM080F

Polymer PTC Devices

Surface mount fuses

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Features

- Surface mount devices
- Withstanding high interrupt voltage
- Agency Recognition: UL、TUV
- Lead-free and compliant with the European Union RoHS Directive 2011/65/EU

Product Dimensions (mm)

Part number	A	B	C	D		E	
	Max.	Max.	Max.	Min.	Max.	Min.	Max.
LM080F	9.4	3.4	7.4	0.25	0.35	3.7	3.9

Marking system

LM□□□

Current rating

Product family

Electrical Characteristics

Part number	I_H	I_T	T_{trip}		$V_{max\ interrupt}$	I_{max}	Pd_{typ}	R_{min}	R_{max}	R_{1max}
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(W)	(Ω)	(Ω)	(Ω)
LM080F	0.080	0.160	1.00	0.80	250	3.0	1.00	14.0	22.0	40.0

I_H=Hold current: maximum current at which the device will not trip at 25℃ still air.

I_T=Trip current: minimum current at which the device will always trip at 25℃ still air.

T_{trip}=Typical time to trip(s) at assigned current.

$V_{max\ interrupt}$=Maximum interrupt voltage device can withstand without damage at rated current.

I_{max}=Maximum fault current device can withstand without damage at rated voltage.

Pd_{typ}=Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min}=Minimum device resistance at 25℃ prior to tripping.

R_{max}=Maximum device resistance at 25℃ prior to tripping.

Thermal Derating Chart-IH(A)

Part number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
LM080F	0.124	0.110	0.095	0.080	0.066	0.059	0.051	0.044	0.033

Package Information

Bulk: 1000pcs per bag.

Tape & Reel: 1500pcs per reel.