LPH100F

Polymer PTC Devices

R-line resettable fuses

Wayon Electronics Co., Ltd.
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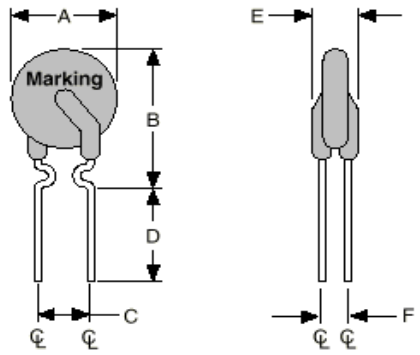
Features

- Designed for use in auto, protecting against both over-current and over-temperature faults
- Maximum working temperature with 125℃
- Meet AEC-Q200 Standards
- Lead-free, compliant with RoHS Directive 2011/65/EU and ELV Directive 2000/53/EC

Product Dimensions (mm)

Part number	A	B	C	D	E	F	Lead
	Max.	Max.	Typ.	Min.	Max.	Typ.	Size(ϕ)
LPH100F	9.7	13.6	5.1	7.6	3.0	1.2	0.5



Marking system

LPH

Product family

Current rating

* Lead materials: Tin-plate metal wire.
* Lead-free devices are available,
the right logo is lead-free mark of wayon.

Electrical Characteristics

Part number	I_H	I_T	T_{trip}	V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{max}	R_{1max}
	(A)	(A)	(S)	(V)	(A)	(W)	(Ω)	(Ω)	(Ω)
LPH100F	1.0	1.9	6.2	30	40	1.4	0.150	0.250	0.430

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.

Max. Time-to-trip =Maximum time to trip(s) at assigned current.

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.

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 trip.

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

R_{1max}=Maximum resistance of device when measured one hour post trip at 25℃.

Thermal Derating Chart-IH(A)

Part number	Maximum ambient operating temperatures(℃)									
	-40	-20	0	25	40	50	60	70	85	125
LPH100F	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.2

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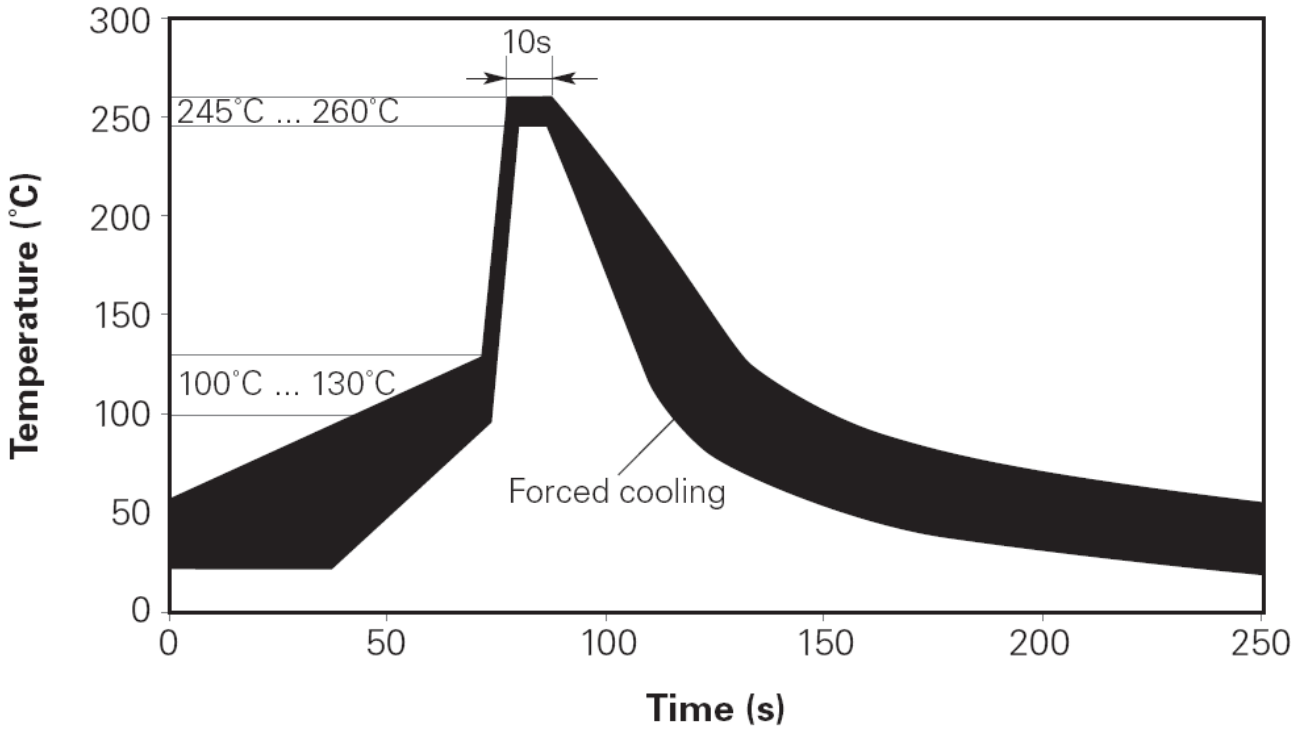
Package Information

Bulk: 1000pcs per bag.

Soldering Recommendations

Wave Soldering



Hand Soldering

Soldering temperature：350℃±5℃.

Soldering time：no more than 5s.

Soldering position：at least 4 mm away from PTC chip.