**Polymer
PTC Devices**

R-line resettable fuses

Shanghai Wayon Thermo/Electro Materials Co.,Ltd.
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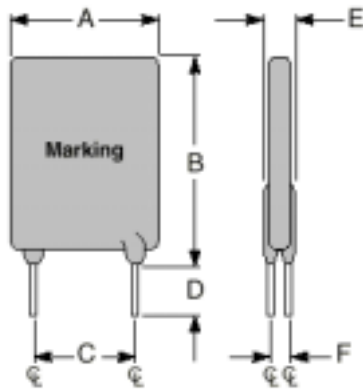E-mail: market@way-on.com   *Http://www.way-on.com*

Features

☐   Radial leaded devices

☐   Faster tripping, typical application in micro-motors for automobiles

☐   Protecting against overcurrent and overtemperature faults
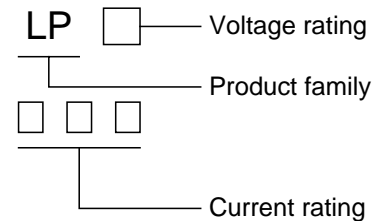
☐   Agency Recognition: UL   CSA   TUV

Product Dimensions (mm)

Part number	A Max.	B Max.	C Typ.	D Min.	E Max.	F Typ.	Lead Size( )
LP16-300	7.8	11.7	5.1	7.6	3.0	1.2	0.8

Marking system

LP ☐ — Voltage rating

— 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 (A)	I_T (A)	T_{trip} (S)	V_{max} (V)	I_{max} (A)	Pd_{typ} (W)	R_{min} ( )	R_{max} ( )
LP16-300	3.0	5.1	2.0	16	100	2.3	0.034	0.105

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}=Maximum time to trip at 5 times hold 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 tripping.

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

Thermal Derating Chart-I_H(A)

Part number	Maximum ambient operating temperatures( )								
	-40	-20	0	25	40	50	60	70	85
LP16-300	4.4	4.0	3.6	3.0	2.6	2.4	2.1	1.9	1.4

Package Information

Bulk: 1000pcs per bag.

Tape & Reel: 1500pcs per reel.