REV LETTER: E PAGE NO: 1 OF 1 PART NUMBER:

# **Polymer PTC Devices**

Strap resettable fuses E-mail: market@way-on.com

Shanghai Wayon Thermo/Electro Materials Co., Ltd.

4th Floor, No.201, New Jinqiao Road, Shanghai 201206, China Tel: 86-21-50320161 58995165 Fax: 86-21-50320266

Http://www.way-on.com



**LP900** 

# **Features**

- Strap devices, Axial leaded, Low initial resistance
- Designed to use for battery packs protection
- Agency Recognition: UL, CSA, TUV П

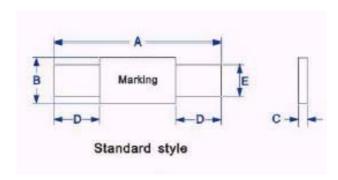




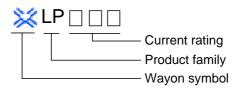


#### **Product Dimensions (mm)**

| Part number | Α    |      | В   |     | С   |     | D   |     | E   |     |
|-------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
|             | Min  | Max  | Min | Max | Min | Max | Min | Max | Min | Max |
| LP900       | 45.0 | 48.0 | 7.9 | 8.5 | 0.5 | 1.3 | 4.0 | 7.0 | 5.9 | 6.1 |



# Marking system



\* Lead materials: Nickel.

\* Insulating material: Polyester tape.

### **Electrical Characteristics**

| Part number | I <sub>H</sub> | Ι <sub>Τ</sub> | $T_{trip}$ |         | $V_{max}$ | I <sub>max</sub> | $R_{min}$ | $R_{\text{max}}$ |
|-------------|----------------|----------------|------------|---------|-----------|------------------|-----------|------------------|
|             | (A)            | (A)            | Current(A) | Time(S) | (V)       | (A)              | ( )       | ( )              |
| LP900       | 9.00           | 16.70          | 45.0       | 5.0     | 20        | 100              | 0.006     | 0.010            |

I<sub>H</sub>=Hold current: maximum current at which the device will not trip at 25 still air.

I<sub>T</sub>=Trip current: minimum current at which the device will always trip at 25 still air.

T<sub>trip</sub>=Maximum time to trip(s) at assigned current.

V<sub>max</sub>=Maximum voltage device can withstand without damage at rated current.

I<sub>max</sub>=Maximum fault current device can withstand without damage at rated voltage.

R<sub>min</sub>=Minimum device resistance at 25 prior to tripping.

R<sub>max</sub>=Maximum device resistance at 25 prior to tripping.

# Thermal Derating Chart-I<sub>H</sub>(A)

| Part number | Maximum ambient operating temperatures( ) |       |       |      |      |      |      |      |      |  |
|-------------|---|-------|-------|------|------|------|------|------|------|--|
|             | -40                                       | -20   | 0     | 25   | 40   | 50   | 60   | 70   | 85   |  |
| LP900       | 13.10                                     | 11.80 | 10.40 | 9.00 | 7.60 | 6.90 | 6.30 | 5.60 | 4.60 |  |

# **Package Information**

Bulk: 1000pcs per bag.