

**Polymer  
PTC Devices**

*Strap resettable fuses*

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**LP350**

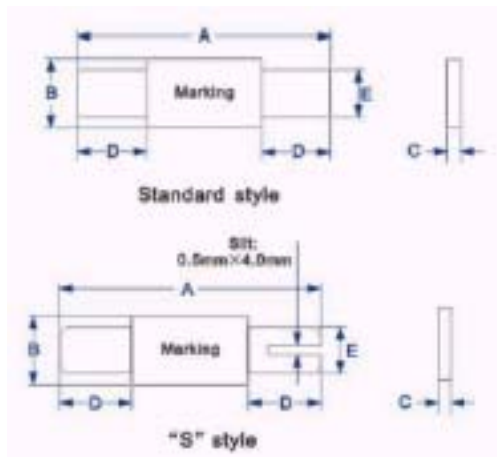
**Features**

- Strap devices, Axial leaded, Low initial resistance
- Typical used for protection of NiCd/NiMH rechargeable battery packs, Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL, CSA, TUV

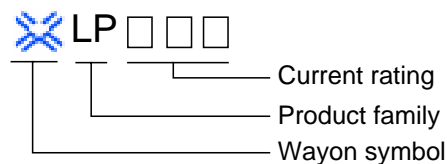


**Product Dimensions (mm)**

| Part number | A    |      | B    |      | C    |      | D    |      | E    |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| LP350       | 25.0 | 28.4 | 12.8 | 13.5 | 0.5  | 0.9  | 6.0  | 8.0  | 4.9  | 5.1  |



**Marking system**



- \* Lead materials: Nickel.
- \* Insulating material: Polyester tape.
- \* Lead-free devices are available, the right logo is lead-free mark of wayon.



**Electrical Characteristics**

| Part number | $I_H$<br>(A) | $I_T$<br>(A) | $T_{trip}$<br>Current(A)<br>Time(S) | $V_{max}$<br>(V) | $I_{max}$<br>(A) | $R_{min}$<br>( ) | $R_{max}$<br>( ) |
|-------------|--------------|--------------|-------------------------------------|------------------|------------------|------------------|------------------|
| LP350       | 3.50         | 6.30         | 20.0<br>3.0                         | 24               | 100              | 0.017            | 0.031            |

$I_H$ =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(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.

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

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

**Thermal Derating Chart- $I_H$ (A)**

| Part number | Maximum ambient operating temperatures( ) |      |      |      |      |      |      |      |      |  |
|-------------|---|------|------|------|------|------|------|------|------|--|
|             | -40                                       | -20  | 0    | 25   | 40   | 50   | 60   | 70   | 85   |  |
| LP350       | 5.51                                      | 4.89 | 4.42 | 3.58 | 3.00 | 2.89 | 2.62 | 2.28 | 1.79 |  |

**Package Information**

Bulk: 500pcs per bag.