

**Polymer  
PTC Devices**

*Strap resettable fuses*

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**LP190**

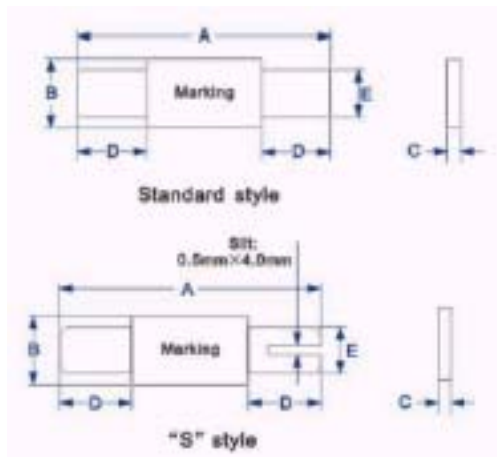
**Features**

- 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

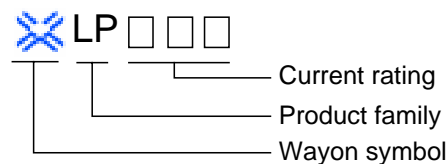


**Product Dimensions (mm)**

Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LP190	20.9	23.4	7.9	8.4	0.5	0.9	5.0	7.6	4.8	5.4



**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	$I_H$ (A)	$I_T$ (A)	$T_{trip}$ Current(A) Time(S)	$V_{max}$ (V)	$I_{max}$ (A)	$R_{min}$ ( )	$R_{max}$ ( )
LP190	1.90	4.20	9.5 3.0	24	100	0.030	0.057

$I_H$ =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	
LP190	3.50	3.00	2.51	1.90	1.60	1.35	1.20	0.88	0.52	

**Package Information**

Bulk: 1000pcs per bag.