



## Shanghai Keter Polymer Material Co., Ltd.

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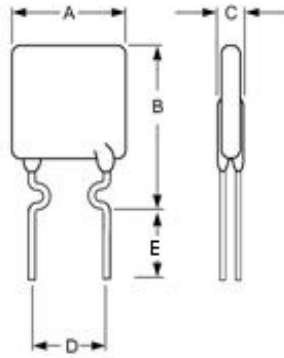
## Polymer PTC Device

*Radial leaded resettable fuse*

## KT30-1850B

Document: 2BD1  
 Revision: 2.0  
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### Physical Dimensions: (mm)



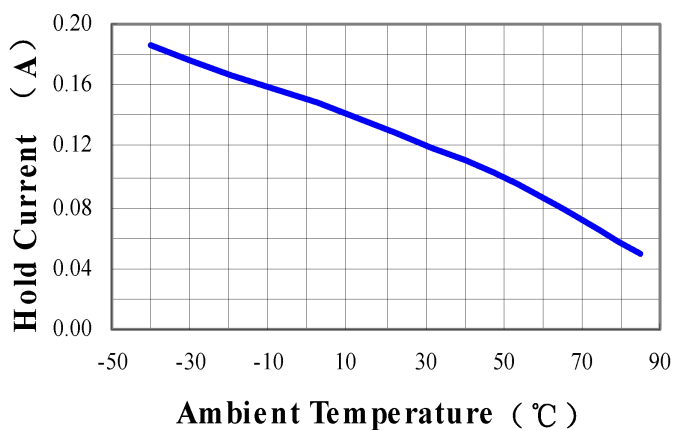
A	B	C	D	E
10.2(Max)	15.7(Max)	3.6(Max)	5.1(Typ.)	5.0(Min.)

Lead Material: Tinned copper clad wire,  $\Phi 0.50\text{mm}$

Encapsulation material: flame-retardant epoxy powder, meets UL94V-0 requirements

### Electrical Characteristics:

Part Number	$I_{\text{hold}}$ (A)	$I_{\text{trip}}$ (A)	$V_{\text{max}}$ (V)	$I_{\text{max}}$ (A)	$T_{\text{trip}}$		$R$ (m $\Omega$ )		$R_{1\text{max}}$ (m $\Omega$ )
					current (A)	Time (s)	min	max	
KT30-1850B	1.85	3.70	30	40.0	9.25	$\leq 8.7$	30	60	90



$I_{\text{hold}}$  = Hold Current: maximum current at which the device will not trip at 25 °C still air.

$I_{\text{trip}}$  = Trip Current: minimum current at which the device will always trip at 25 °C still air.

$V_{\text{max}}$  = Maximum voltage device can withstand without damage at rated current.

$I_{\text{max}}$  = Maximum fault current device can withstand without damage at rated voltage.

$T_{\text{trip}}$  = Maximum time to trip(s) at assigned current.

$R_{1\text{max}}$  = Maximum Device resistance at 25 °C, of device one hour after being tripped the first time.



Prepare	Approval	Accept
He Zhiyong	Gong Qingguo	Hou Liming