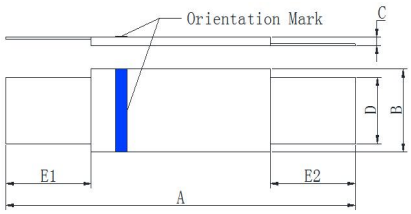
Shanghai Keter Polymer Material Co., Ltd.
N0.736 East Zhuanxing Road, Shanghai, China
TEL: 0086-21-33505870 FAX: 0086-21-33506335
Web: www.keter.com.cn Email: info@keter.com.cn

Polymer PTC Device
Strap resettable fuse

KT15-1900D

Document: G
Date:2014.8.1
Revision：3.0

Physical Dimensions: (mm)



	A	B	C	D	E1	E2
Min	21.0	4.9	—	3.9	6.0	6.0
Max	23.0	5.2	1.0	4.1	8.0	8.0

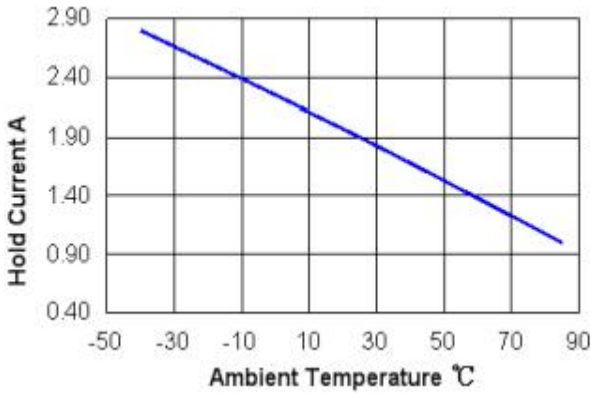
Lead Material：1/4 h Nickel, 0.125mm in thickness
Encapsulation material: Polyester film, meets UL94V-0 requirements

Electrical Characteristics:

Part Number	I_{hold} (A)	I_{trip} (A)	V_{max} (V)	I_{max} (A)	T_{trip}		R (mΩ)		R_{1max} (mΩ)
					current (A)	Time (s)	min	max	
KT15-1900D-G	1.9	3.9	15	100	9.5	＜5.0	39	72	120

Thermal Derating [Hold & Trip Current (A) at Ambient Temperature(℃)

	0℃	25℃	45℃	60℃	70℃	80℃
I_{hold}	2.4	1.9	1.7	1.3	1.1	0.9
I_{trip}	4.5	3.9	3.4	2.4	2.0	1.6



I_{hold} = Hold Current: maximum current at which the device will not trip at 25 °C still air.
I_{trip} = Trip Current: minimum current at which the device will always trip at 25 °C still air.
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.
T_{trip} = Maximum time to trip(s) at assigned current.
R_{1max} = Maximum Device resistance at 25 °C, of device one hour after being tripped the first time.

Prepare	Approval	Accept