

### Features

- ◆ Surface Mount Devices
- ◆ Standard 4532mm(1812mils) footprint
- ◆ Surface mount packaging for automated assembly
- ◆ Compatible with Pb and Pb-free solder reflow profiles.
- ◆ Agency recognition: UL approved

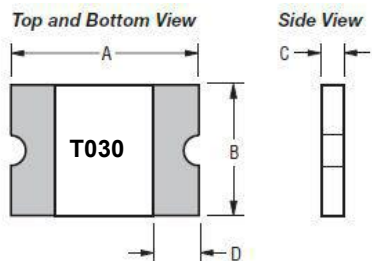
### Applications

- ◆ Overcurrent and overtemperature protection of automotive electronics
- ◆ PC motherboards, Hard disk driver, and PC peripherals
- ◆ POS Equipment
- ◆ USB port protection
- ◆ HDMI source protection

## Electrical Characteristics (电气特性):

P/N	UL	保持 电流	跳脱 电流	最大 电压	最大 电流	最大动 作时间		消耗 功率	电阻 范围(Ω)	
		I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>max</sub> (V)	I <sub>max</sub> (A)	(A)	(Sec.)	P <sub>dtyp</sub> (W)	R <sub>min</sub>	R <sub>1max</sub>
K1812L010DR	✓	0.10	0.30	60	10	0.5	1.50	0.8	0.700	15.00
K1812L014DR	✓	0.14	0.34	60	10	1.5	0.15	0.8	0.400	6.50
K1812L020DR	✓	0.20	0.40	30	10	8.0	0.20	0.8	0.750	5.00
K1812L020/60DR	✓	0.20	0.40	60	10	1.5	0.15	0.8	0.400	6.000
K1812L030DR	✓	0.30	0.60	30	10	8.0	0.10	0.8	0.300	3.000
K1812L035PR	✓	0.35	0.70	16	40	8.0	0.10	0.8	0.200	1.800
K1812L050PR	✓	0.50	1.00	15	40	8.0	0.15	0.8	0.150	1.000
K1812L075PR	✓	0.75	1.50	16	40	8.0	0.20	0.8	0.110	0.450
K1812L075/24PR	✓	0.75	1.50	24	40	8.0	0.20	0.8	0.110	0.450
K1812L075/33PR	✓	0.75	1.50	33	40	8.0	0.20	0.8	0.110	0.450
K1812L110PR	✓	1.10	2.20	6	100	8.0	0.30	0.8	0.040	0.225
K1812L110/16PR	✓	1.10	2.20	16	100	8.0	0.50	0.8	0.040	0.225
K1812L110/24DR	✓	1.10	2.20	24	100	8.0	0.50	1.2	0.055	0.180
K1812L125PR	✓	1.25	2.50	6	40	8.0	0.40	0.8	0.035	0.140
K1812L150PR	✓	1.50	3.00	6	100	8.0	0.50	0.8	0.030	0.120
K1812L150/12PR	✓	1.50	3.00	12	100	8.0	0.50	1.0	0.030	0.120
K1812L150/16PR	✗	1.50	3.00	16	100	8.0	0.50	0.8	0.030	0.120
K1812L150/24MR	✓	1.50	3.00	24	100	8.0	1.50	1.2	0.030	0.140
K1812L160PR	✓	1.60	3.20	8	100	8.0	1.00	1.0	0.025	0.120
K1812L160/12PR	✓	1.60	3.20	12	100	8.0	1.00	1.0	0.025	0.120
K1812L160/16PR	✓	1.60	3.20	16	100	8.0	1.00	1.0	0.025	0.120
K1812L200DR	✓	2.00	4.00	8	100	8.0	3.00	1.2	0.020	0.080
K1812L250/16DR	✓	2.50	5.00	16	100	8.0	5.00	1.2	0.015	0.100
K1812L260DR	✓	2.60	5.20	6	100	8.0	5.00	1.2	0.015	0.080
K1812L300DR	✓	3.00	6.00	6	100	8.0	5.00	1.2	0.012	0.060

## Product Dimensions & Marking (Unit: mm) (产品尺寸) :



T 030
Manufacturer's Trademark
Holding current:0.30A

P/N	Marking (标识)	A		B		C		D
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)
K1812L010DR	<b>T010</b>	4.37	4.73	3.07	3.41	0.80	1.20	0.30
K1812L014DR	<b>T014</b>	4.37	4.73	3.07	3.41	0.80	1.20	0.30
K1812L020DR	<b>T020</b>	4.37	4.73	3.07	3.41	0.80	1.20	0.30
K1812L020/60DR	<b>T020</b>	4.37	4.73	3.07	3.41	0.80	1.20	0.30
K1812L030DR	<b>T030</b>	4.37	4.73	3.07	3.41	0.80	1.20	0.30
K1812L035PR	<b>T035</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L050PR	<b>T050</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L075PR	<b>T075</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L075/24PR	<b>T075</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L075/33PR	<b>T075</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L110PR	<b>T110</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L110/16PR	<b>T110</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L110/24DR	<b>T110</b>	4.37	4.73	3.07	3.41	0.90	1.30	0.30
K1812L125PR	<b>T125</b>	4.37	4.73	3.07	3.41	0.60	1.00	0.30
K1812L150PR	<b>T150</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L150/12PR	<b>T150</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L150/16PR	<b>T150</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L150/24MR	<b>T150</b>	4.37	4.73	3.07	3.41	1.30	1.80	0.30
K1812L160PR	<b>T160</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L160/12PR	<b>T160</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L160/16PR	<b>T160</b>	4.37	4.73	3.07	3.41	0.45	0.85	0.30
K1812L200DR	<b>T200</b>	4.37	4.73	3.07	3.41	0.70	1.10	0.30
K1812L250/16DR	<b>T250</b>	4.37	4.73	3.07	3.41	0.70	1.10	0.30
K1812L260DR	<b>T260</b>	4.37	4.73	3.07	3.41	0.70	1.10	0.30
K1812L300DR	<b>T300</b>	4.37	4.73	3.07	3.41	0.70	1.10	0.30

## Thermal Derating Chart – I<sub>hold</sub> (Amps) (环境温度与工作电流)

P/N	Ambient Operating Temperature(工作环境温度)								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
K1812L010DR	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
K1812L014DR	0.23	0.19	0.17	0.14	0.12	0.10	0.09	0.08	0.06
K1812L020DR	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
K1812L020/60DR	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
K1812L030DR	0.44	0.39	0.35	0.30	0.26	0.23	0.21	0.18	0.15
K1812L035PR	0.51	0.46	0.41	0.35	0.30	0.27	0.25	0.21	0.18
K1812L050PR	0.77	0.68	0.59	0.50	0.44	0.40	0.37	0.33	0.29
K1812L075PR	1.15	1.01	0.88	0.75	0.65	0.60	0.55	0.49	0.43
K1812L075/24PR	1.15	1.01	0.88	0.75	0.65	0.60	0.55	0.49	0.43
K1812L075/33PR	1.15	1.01	0.88	0.75	0.65	0.60	0.55	0.49	0.43
K1812L110PR	1.59	1.43	1.26	1.10	0.95	0.87	0.80	0.71	0.60
K1812L110/16PR	1.59	1.43	1.26	1.10	0.95	0.87	0.80	0.71	0.60
K1812L110/24DR	2.00	1.70	1.40	1.10	0.95	0.88	0.80	0.73	0.61
K1812L125PR	1.80	1.63	1.43	1.25	1.08	0.99	0.91	0.81	0.68
K1812L150PR	2.17	1.95	1.72	1.50	1.30	1.18	1.09	0.97	0.82
K1812L150/12PR	2.17	1.95	1.72	1.50	1.30	1.18	1.09	0.97	0.82
K1812L150/16PR	2.17	1.95	1.72	1.50	1.30	1.18	1.09	0.97	0.82
K1812L150/24MR	2.17	1.95	1.72	1.50	1.30	1.18	1.09	0.97	0.82
K1812L160PR	2.30	2.20	1.90	1.60	1.45	1.30	1.15	1.03	0.91
K1812L160/12PR	2.30	2.20	1.90	1.60	1.45	1.30	1.15	1.03	0.91
K1812L160/16PR	2.30	2.20	1.90	1.60	1.45	1.30	1.15	1.03	0.91
K1812L200DR	3.08	2.71	2.35	2.00	1.80	1.60	1.50	1.40	1.25
K1812L250/16DR	3.85	3.45	3.00	2.50	2.05	1.85	1.75	1.30	1.10
K1812L260DR	4.00	3.52	3.06	2.60	2.34	2.08	1.95	1.39	1.04
K1812L300DR	4.40	3.90	3.50	3.00	2.60	2.30	2.10	1.80	1.50

**Package information (包装信息) :**

<b>P/N</b>	<b>Packing Q'ty Pcs / Reel</b>
K1812L010DR	1500
K1812L014DR	1500
K1812L020DR	1500
K1812L020/60DR	1500
K1812L030DR	1500
K1812L035PR	2000
K1812L050PR	2000
K1812L075PR	2000
K1812L075/24PR	2000
K1812L075/33PR	2000
K1812L110PR	2000
K1812L110/16PR	2000
K1812L110/24DR	1500
K1812L125PR	2000
K1812L150PR	2000
K1812L150/12PR	2000
K1812L150/16PR	2000
K1812L150/24MR	1000
K1812L160PR	2000
K1812L160/12PR	2000
K1812L160/16PR	2000
K1812L200DR	1500
K1812L250/16DR	1500
K1812L260DR	1500
K1812L300DR	1500