

Features

- ◆ SMD
- ◆ Fully compatible with current industry standards
- ◆ Very low internal resistance
- ◆ Nickel terminals
- ◆ RoHS Compliant
- ◆ Agency recognition: on Approval.

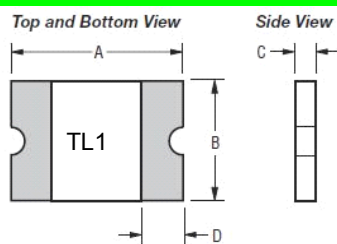
Applications

- ◆ Any application that requires protection at low resistances
- ◆ Cellular phones
- ◆ Laptop computers
- ◆ Rechargeable battery pack protection.

Electrical Characteristics (电气特性):

P/N	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_H (A)	I_T (A)	V_{max} (V)	I_{max} (A)	(A)	(Sec.)	Pd_{typ} (W)	R_{min}	$R1_{max}$
MSML050	0.50	1.50	6.0	50	8.00	5.00	1.0	0.020	0.100
MSML140	1.40	3.60	6	50	8.0	3.00	1.0	0.010	0.035
MSML190	1.90	4.90	6	50	8.0	5.00	1.0	0.003	0.025
MSML270	2.70	6.20	6	50	13.5	3.00	1.0	0.003	0.023
MSML300	3.00	7.00	6	50	15.0	2.00	1.0	0.003	0.022
MSML350	3.50	8.00	6	50	17.50	2.00	1.0	0.003	0.018
MSML370	3.70	9.10	6	50	18.5	2.00	1.0	0.003	0.018
MSML400	4.00	8.00	6	50	20.0	2.00	1.0	0.003	0.018

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



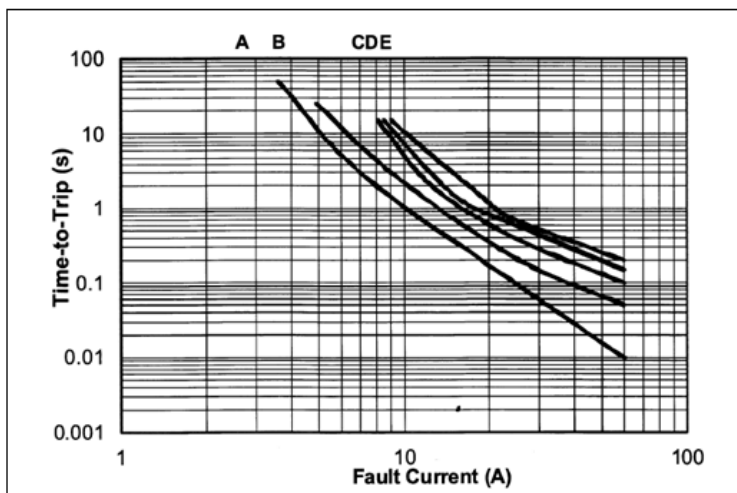
P/N	Marking (标识)	A		B		C		D
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	
		Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	Min.(最小)	Max.(最大)	
MSML050	TLA	4.37	4.73	3.07	3.41	0.60	1.00	0.30
MSML140	TL0	4.37	4.73	3.07	3.41	0.60	1.00	0.30
MSML190	TL1	4.37	4.73	3.07	3.41	0.60	1.00	0.30
MSML270	TL2	4.37	4.73	3.07	3.41	0.90	1.40	0.30
MSML300	TL2	4.37	4.73	3.07	3.41	0.90	1.40	0.30
MSML350	TL3	4.37	4.73	3.07	3.41	0.90	1.40	0.30
MSML370	TL3	4.37	4.73	3.07	3.41	0.90	1.40	0.30
MSML400	TL3	4.37	4.73	3.07	3.41	0.90	1.40	0.30

Thermal Derating Chart – I_{hold} (Amps) (环境温度与工作电流关系特性曲线)

P/N	Ambient Operating Temperature(工作环境温度)								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
MSML050	0.73	0.65	0.59	0.50	0.43	0.39	0.35	0.31	0.25
MSML140	2.03	1.82	1.64	1.40	1.20	1.08	0.97	0.87	0.70
MSML190	2.76	2.47	2.22	1.90	1.63	1.46	1.31	1.18	0.95
MSML270	3.92	3.51	3.16	2.70	2.32	2.08	1.86	1.67	1.35
MSML300	4.35	3.90	3.51	3.00	2.58	2.31	2.07	1.86	1.50
MSML350	5.08	4.55	4.10	3.50	3.01	2.70	2.42	2.17	1.75
MSML370	5.37	4.81	4.33	3.70	3.18	2.85	2.55	2.29	1.85
MSML400	5.80	5.20	4.68	4.00	3.44	3.08	2.76	2.48	2.00

Typical time to trip at 25°C (25°C下的动作保护时间曲线表):

A=MSML140
B=MSML190
C=MSML270
D=MSML300
E=MSML370



◆ The Time to Trip curves represent typical performance of a device in a simulated application environment. Actual performance in specific customer applications may differ from these values due to the influence of other variables.

Agency Approvals (安规认证):

- Agency Approvals: UL、CSA、TUV
- Regulation/Standard: RoHS 2002/95/EC

Package information (包装信息):

Model	Q'ty/Reel
MSML050 ~ MSML190	2000 pcs
MSML270 ~ MSML400	1500 pcs
Note: Reel packaging per EIA-481-1 standard	