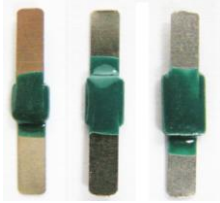


III- TAL Series



Features

- ◆ Lower power consumption by ultra-low resistance
- ◆ Alternative shapes and sizes available on request
- ◆ Agency recognition: UL, CSA, TUV
- ◆ RoHS Compliant

Applications

- ◆ Battery 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}	R_{max}	$R1_{max}$
TAL110	1.10	2.8	6	50	5.5	3	1.0	0.011	0.025	0.045
TAL120	1.20	3.0	6	50	6.0	3	1.0	0.011	0.025	0.045
TAL140	1.40	3.6	6	50	7.0	3	1.0	0.010	0.020	0.035
TAL160	1.60	4.0	6	50	8.0	3	1.0	0.009	0.018	0.035
TAL170	1.70	4.2	6	50	8.5	3	1.0	0.008	0.017	0.035
TAL175	1.75	4.5	6	50	8.7	3	1.0	0.006	0.015	0.024
TAL180	1.80	4.6	6	50	9.0	3	1.0	0.006	0.013	0.024
TAL190	1.90	4.9	6	50	9.5	3	1.0	0.006	0.013	0.024
TAL190S	1.90	4.9	6	50	9.5	3	1.0	0.006	0.013	0.024
TAL190N	1.90	4.9	6	50	9.5	3	1.0	0.006	0.013	0.024
TAL200	2.00	5.3	6	50	10.0	3	1.0	0.006	0.012	0.024
TAL210	2.10	5.6	6	50	10.5	3	1.0	0.005	0.012	0.024
TAL250	2.50	8.0	6	50	12.5	3	1.0	0.004	0.012	0.020
TAL260	2.60	6.0	6	50	13.0	3	1.0	0.004	0.010	0.020
TAL270	2.70	6.2	6	50	13.5	3	1.0	0.004	0.010	0.026
TAL280	2.80	5.6	6	50	14.0	3	1.0	0.004	0.010	0.020
TAL300	3.00	8.0	6	50	15.0	3	1.3	0.003	0.010	0.018
TAL300L	3.00	8.0	6	50	15.0	3	1.3	0.003	0.010	0.018
TAL310	3.10	8.0	6	50	15.5	3	1.3	0.003	0.011	0.024
TAL350	3.50	8.1	6	50	17.5	5	1.3	0.003	0.009	0.015
TAL370	3.70	9.0	6	50	18.5	5	1.3	0.002	0.010	0.020
TAL410	4.10	9.2	6	50	20.5	5	1.3	0.002	0.008	0.015
TAL450	4.50	9.5	6	50	22.5	5	1.3	0.002	0.008	0.015

III- TAL Series

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

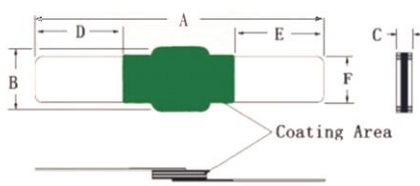


Fig.1

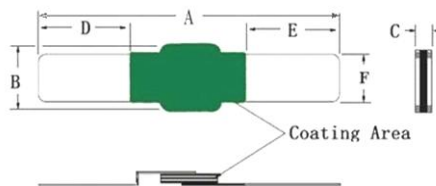


Fig.2

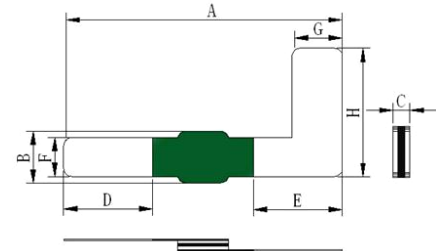


Fig.3

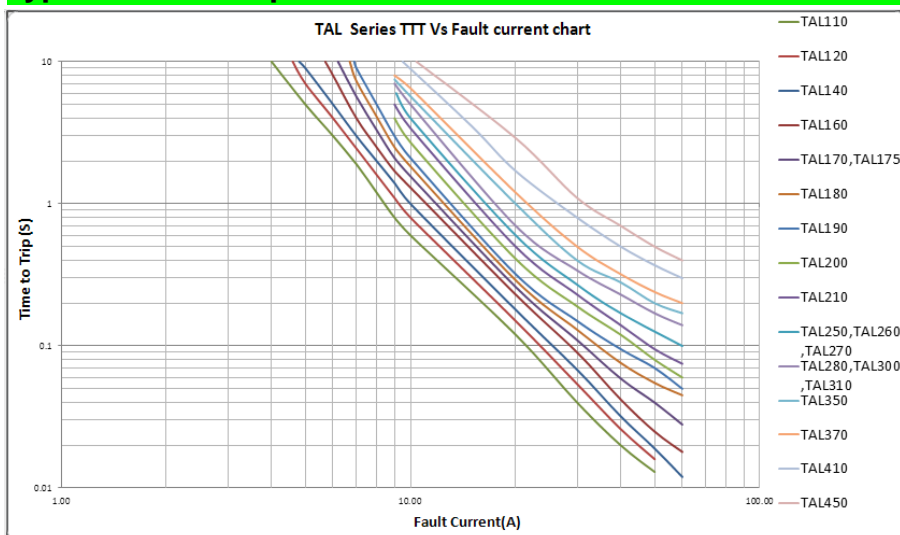
P/N	Fig	A(Nor.)	B(Nor.)	C(Max)	D(Nor.)	E(Nor.)	F(Nor.)	G(Nor.)	H(Nor.)
TAL110	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL120	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL140	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL160	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL170	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL175	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL180	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL190	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL190S	Fig.1 or Fig.2	10.0±0.8	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL190N	Fig.1 or Fig.2	20.0±0.5	2.6±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TRA200	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL210	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL250	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL260	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL270	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL280	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL300	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL300L	Fig.3	16.5±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1	3.0±0.05	7.6±0.05
TAL310	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.5±0.5	4.5±0.5	2.3±0.1		
TAL350	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.0±0.5	4.0±0.5	2.3±0.1		
TAL370	Fig.1 or Fig.2	14.7±0.5	3.1±0.15	1.1	4.0±0.5	4.0±0.5	2.3±0.1		
TAL410	Fig.1 or Fig.2	14.7±0.5	3.6±0.15	1.1	3.5±0.5	3.5±0.5	2.3±0.1		
TAL450	Fig.1 or Fig.2	14.7±0.5	3.6±0.15	1.1	3.5±0.5	3.5±0.5	2.3±0.1		

III- TAL Series

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℃
TAL110	1.80	1.60	1.40	1.10	1.00	0.90	0.80	0.70	0.60
TAL120	2.00	1.80	1.60	1.20	1.10	0.90	0.90	0.70	0.60
TAL140	2.30	2.10	1.80	1.40	1.20	1.10	1.00	0.80	0.70
TAL160	2.70	2.40	2.10	1.60	1.40	1.20	1.10	0.90	0.70
TAL170	2.90	2.50	2.20	1.70	1.50	1.30	1.10	0.90	0.70
TAL175	2.90	2.50	2.20	1.75	1.50	1.30	1.10	0.90	0.70
TAL180	3.00	2.70	2.30	1.80	1.50	1.30	1.20	1.00	0.80
TAL190/S/N	3.20	2.80	2.40	1.90	1.60	1.40	1.20	1.00	0.80
TAL200	3.40	2.90	2.50	2.00	1.70	1.40	1.20	1.00	0.80
TAL210	3.50	3.10	2.70	2.10	1.80	1.50	1.30	1.10	0.90
TAL250	4.20	3.70	3.20	2.50	2.10	1.80	1.50	1.30	1.00
TAL260	4.40	3.80	3.30	2.60	2.18	1.87	1.56	1.35	1.04
TAL270	4.60	4.00	3.40	2.70	2.20	1.90	1.60	1.30	1.00
TAL280	4.70	4.10	3.50	2.80	2.30	2.00	1.70	1.40	1.10
TAL300/L	5.10	4.40	3.80	3.00	2.50	2.10	1.80	1.50	1.10
TAL310	5.20	4.60	3.90	3.10	2.50	2.20	1.90	1.50	1.20
TAL350	5.90	5.20	4.40	3.50	2.80	2.40	2.10	1.70	1.30
TAL370	6.30	5.40	4.60	3.70	3.00	2.60	2.20	1.70	1.30
TAL410	6.90	6.00	5.10	4.10	3.30	2.80	2.40	1.90	1.50
TAL450	7.60	6.60	5.60	4.50	3.60	3.10	2.60	2.10	1.60

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



◆ 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 2.0(2011/65/CE)

Package information (包装信息):

Model	Bulk(-0) package	Q'ty/bag
TAL110 ~ TAL450		1000 pcs