

FUSES

电路保护元器件专业制造商

TAL Series

Features

- ◆ Lower power consumption by ultra-low resistance
- ◆ Alternative shapes and sizes available on request
- ◆ UL(E352136), C-UL(E352136), TUV(Pending)
- ◆ RoHS, Reach, HF compliance

Applications

- ◆ Battery protection



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	2.80	6	40	5.50	3.00	1.0	0.011	0.025	0.045
TAL120	1.20	3.00	6	40	6.00	3.00	1.0	0.011	0.025	0.045
TAL140	1.40	3.60	6	40	7.00	3.00	1.0	0.010	0.020	0.035
TAL160	1.60	4.00	6	40	8.00	3.00	1.0	0.009	0.018	0.035
TAL170	1.70	4.20	6	40	8.50	3.00	1.0	0.008	0.017	0.035
TAL175	1.75	4.50	6	40	8.70	3.00	1.0	0.006	0.015	0.024
TAL180	1.80	4.60	6	40	9.00	3.00	1.0	0.006	0.013	0.024
TAL190	1.90	4.90	6	40	9.50	3.00	1.0	0.006	0.013	0.024
TAL190S	1.90	4.90	6	40	9.50	3.00	1.0	0.006	0.013	0.024
TAL190N	1.90	4.90	6	40	9.50	3.00	1.0	0.006	0.013	0.024
TAL200	2.00	5.30	6	40	10.00	3.00	1.0	0.006	0.012	0.024
TAL210	2.10	5.60	6	40	10.50	3.00	1.0	0.005	0.012	0.024
TAL250	2.50	8.00	6	40	12.50	3.00	1.0	0.004	0.012	0.020
TAL260	2.60	6.00	6	40	13.00	3.00	1.0	0.004	0.010	0.020
TAL270	2.70	6.20	6	40	13.50	3.00	1.0	0.004	0.010	0.026
TAL280	2.80	5.60	6	40	14.00	3.00	1.0	0.004	0.010	0.020
TAL300	3.00	8.00	6	40	15.00	3.00	1.3	0.003	0.010	0.018
TAL300L	3.00	8.00	6	40	15.00	3.00	1.3	0.003	0.010	0.018
TAL310	3.10	8.00	6	40	15.50	3.00	1.3	0.003	0.011	0.024
TAL350	3.50	8.10	6	40	17.50	5.00	1.3	0.003	0.009	0.015
TAL370	3.70	9.00	6	40	18.50	5.00	1.3	0.002	0.010	0.020
TAL410	4.10	9.20	6	40	20.50	5.00	1.3	0.002	0.008	0.015
TAL450	4.50	9.50	6	40	22.50	5.00	1.3	0.002	0.008	0.015
TAL500	5.00	9.50	6	40	25.00	3.00	1.3	0.002	0.008	0.015
TAL600	6.00	12.00	6	50	30.00	5.00	1.5	0.002	0.010	0.015
TAL760	7.60	15.00	6	50	38.00	5.00	1.5	0.001	0.009	0.015

TAL Series

产品尺寸 (Unit: mm) :

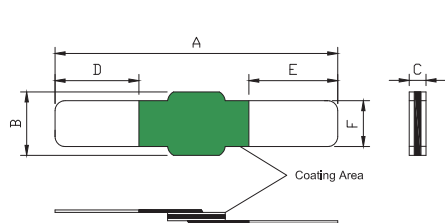


Fig.1

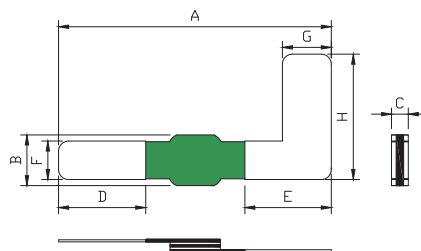


Fig.2

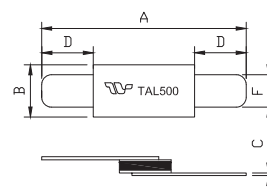


Fig.3

P/N	Fig	A(Nor.)	B(Nor.)	C(Max)	D(Min.)	E(Min.)	F(Nor.)	G(Nor.)	H(Nor.)
TAL110	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL120	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL140	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL160	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL170	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL175	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL180	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL190	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL190S	Fig.1	10.0±0.8	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL190N	Fig.1	20.0±0.5	2.6±0.15	1.1	4.0	4.0	2.3±0.1		
TRA200	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL210	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL250	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL260	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL270	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL280	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL300	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL300L	Fig.2	16.5±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1	3.0±0.05	7.6±0.05
TAL310	Fig.1	14.7±0.5	3.1±0.15	1.1	4.0	4.0	2.3±0.1		
TAL350	Fig.1	14.7±0.5	3.1±0.15	1.1	3.5	3.5	2.3±0.1		
TAL370	Fig.1	14.7±0.5	3.1±0.15	1.1	3.5	3.5	2.3±0.1		
TAL410	Fig.1	14.7±0.5	3.6±0.15	1.1	3.0	3.0	2.3±0.1		
TAL450	Fig.1	14.7±0.5	3.6±0.15	1.1	3.0	3.0	2.3±0.1		
TAL500	Fig.3	17.5±1	2.7±0.3	1.1	5.3±0.5		2.3±0.2		
TAL600	Fig.3	23.2±1.3	3.3±0.3	1.1	4.75±0.75		2.5±0.1		
TAL760	Fig.3	23.2±1.3	3.3±0.3	1.1	4.75±0.75		2.5±0.1		

TAL Series

环境温度与工作电流关系特性曲线：

P/N	Test item	工作环境温度								
		-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
TAL110	I-hold	1.80	1.60	1.40	1.10	1.00	0.90	0.80	0.70	0.60
	I-trip	4.60	4.05	3.50	2.80	2.55	2.30	2.00	1.80	1.50
TAL120	I-hold	2.00	1.80	1.60	1.20	1.10	0.90	0.90	0.70	0.60
	I-trip	5.00	4.50	4.00	3.00	2.75	2.25	2.25	1.75	1.50
TAL140	I-hold	2.30	2.10	1.80	1.40	1.20	1.10	1.00	0.80	0.70
	I-trip	5.90	5.50	4.60	3.60	3.10	2.80	2.60	2.00	1.80
TAL160	I-hold	2.70	2.40	2.10	1.60	1.40	1.20	1.10	0.90	0.70
	I-trip	6.75	6.00	5.25	4.00	3.50	3.00	2.75	2.25	1.75
TAL170	I-hold	2.90	2.50	2.20	1.70	1.50	1.30	1.10	0.90	0.70
	I-trip	7.20	6.20	5.50	4.20	3.70	3.20	2.70	2.20	1.70
TAL175	I-hold	2.90	2.50	2.20	1.75	1.50	1.30	1.10	0.90	0.70
	I-trip	7.50	6.40	5.65	4.50	3.80	3.30	2.80	2.30	1.80
TAL180	I-hold	3.00	2.70	2.30	1.80	1.50	1.30	1.20	1.00	0.80
	I-trip	7.65	6.90	5.90	4.60	3.90	3.40	3.00	2.50	2.00
TAL190	I-hold	3.20	2.80	2.40	1.90	1.60	1.40	1.20	1.00	0.80
	I-trip	8.25	7.20	6.20	4.90	4.10	3.60	2.00	2.60	2.00
TAL200	I-hold	3.40	2.90	2.50	2.00	1.70	1.40	1.20	1.00	0.80
	I-trip	9.00	7.70	6.60	5.30	4.50	3.70	3.20	2.65	2.10
TAL210	I-hold	3.50	3.10	2.70	2.10	1.80	1.50	1.30	1.10	0.90
	I-trip	9.30	8.30	7.20	5.60	4.80	4.00	3.50	2.90	2.40
TAL250	I-hold	4.20	3.70	3.20	2.50	2.10	1.80	1.50	1.30	1.00
	I-trip	13.40	11.80	10.00	8.00	6.70	5.75	4.80	4.15	3.20
TAL260	I-hold	4.40	3.80	3.30	2.60	2.20	1.85	1.55	1.35	1.05
	I-trip	10.15	8.75	7.60	6.00	5.00	4.30	3.60	3.10	2.40
TAL270	I-hold	4.60	4.00	3.40	2.70	2.20	1.90	1.60	1.30	1.00
	I-trip	10.50	9.10	7.80	6.20	5.05	4.35	3.65	3.00	2.30
TAL280	I-hold	4.70	4.10	3.50	2.80	2.30	2.00	1.70	1.40	1.10
	I-trip	9.40	8.20	7.00	5.60	4.60	4.00	3.40	2.80	2.20
TAL300/L	I-hold	5.10	4.40	3.80	3.00	2.50	2.10	1.80	1.50	1.10
	I-trip	13.60	11.70	10.10	8.00	6.65	5.60	4.80	4.00	2.93
TAL310	I-hold	5.20	4.60	3.90	3.10	2.50	2.20	1.90	1.50	1.20
	I-trip	13.40	11.85	10.00	8.00	6.45	5.70	4.90	3.85	3.10
TAL350	I-hold	5.90	5.20	4.40	3.50	2.80	2.60	2.20	1.70	1.30
	I-trip	13.65	12.00	10.10	8.10	6.50	6.02	4.85	3.90	3.00
TAL370	I-hold	6.30	5.40	4.60	3.70	3.00	2.60	2.20	1.70	1.30
	I-trip	15.30	13.15	11.20	9.00	7.30	6.30	5.35	4.15	3.15
TAL410	I-hold	6.90	6.00	5.10	4.10	3.30	2.80	2.40	1.90	1.50
	I-trip	15.50	13.40	11.00	9.20	7.40	6.30	5.40	4.25	3.40

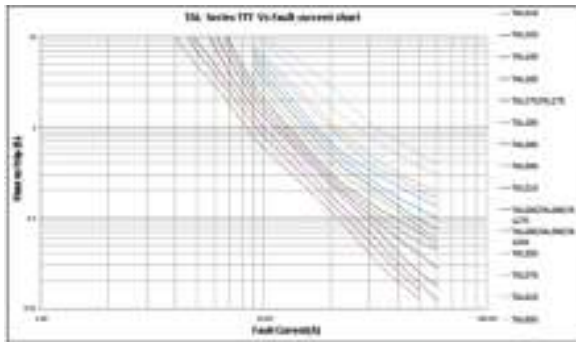
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TAL450	I-hold	7.60	6.60	5.60	4.50	3.60	3.10	2.60	2.10	1.60
	I-trip	15.70	13.50	11.30	9.50	7.60	6.50	5.50	4.40	3.50
TAL500	I-hold	8.40	7.30	6.20	5.00	3.80	3.45	2.90	2.10	2.00
	I-trip	15.80	13.60	11.50	9.50	7.50	6.60	6.10	5.30	3.80
TAL600	I-hold	9.20	8.00	7.00	6.00	5.00	4.50	4.00	3.50	3.00
	I-trip	19.00	17.00	15.00	12.00	10.50	10.00	8.50	7.00	6.00
TAL760	I-hold	11.00	10.00	9.50	7.60	6.00	5.50	5.00	4.50	4.00
	I-trip	24.00	21.00	19.00	15.00	13.00	12.50	10.50	9.00	7.50

动作电流时间曲线表：



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.

标准包装数量：

Model	Bulk(-0) package Q'ty/bag
TAL110 ~ TAL760	1000pcs

6、Agency Recognition:



Caution: Operation beyond the rated voltage or current may result in rupture electrical arcing or flame. Specifications are subject to change without notice.