STC / STE Series / Two Terminal Type

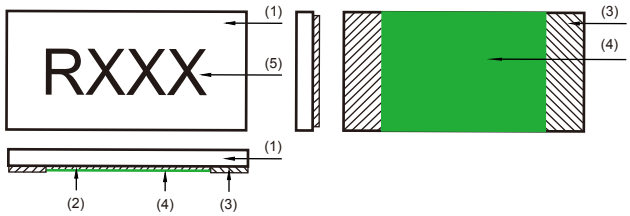
RoHS Compliance & Halogen Free

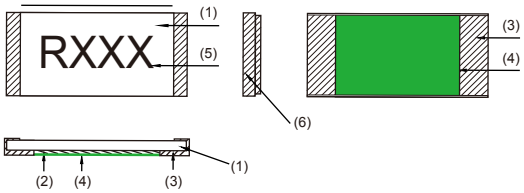
Product Material / 產品材料

No. 號碼	Material / 材質	Description / 說明
❶	Substrate / 基板	Alumina Ceramic (Alumina 96%) / 氧化鋁陶瓷基板（氧化鋁含量達 96%）
❷	Resistive Element / 電阻本體	Alloy / 合金
❸	Terminal Electrode / 端電極	Sn、Ni、Cu / 錫、鎳、銅
❹	Protective Coating / 保護防焊層	Flame-Retardant Epoxy, Meets UL- 94-V0 Requirements(Green) / 防火級環氧樹脂, 符合UL- 94-V0 要求(綠色)
❺	Marking Coating / 文印防焊層	Flame-Retardant Epoxy, Meets UL- 94-V0 Requirements (Black) / 防火級環氧樹脂, 符合UL- 94-V0 要求(黑色)
❻	Edge electrode / 側邊電極	Sn、Ni、Cu / 錫、鎳、銅



STC/STE Dimensions / STC/STE 尺寸圖 (Unit / 單位:mm)

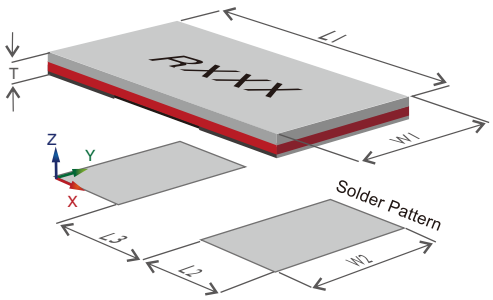




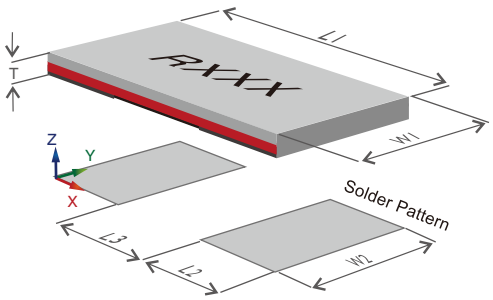
Standard Specification / 規格標準

	Model 型號	Pr(Watt) Power rating at 70°C or below 在環境溫度70°C 以下時的額定功率	Ro(mΩ) Device normal resistance 元件在室溫下的電阻	Rt(%) Normal resistance tolerance 元件在室溫下的電阻誤差範圍	TCR(ppm) Temperature coefficient of resistance 電阻溫度係數
STC-Series / STE-Series	0603-□-W50-R-□□□-□	0.5(1/2)	5~60	±0.5,±1	±50~±100
	0805-□-W75-R-□□□-□	0.75(3/4)	3~200	±0.5,±1	±50~±100
	1206-□-1W0-R-□□□-□	1.0	3~400	±0.5,±1	±50~±100
	2010-□-1W0-R-□□□-□	1.0	2~400	±0.5,±1	±50~±100
	2512-□-2W0-R-□□□-□	2.0	2~400	±0.5,±1	±50~±100
	3921-□-3W0-R-□□□-□	3.0	2~100	±0.5,±1	±50~±100
	4527-□-4W0-R-□□□-□	4.0	2~100	±0.5,±1	±50~±100

STC-series
Short electrode/edgeless
短電極/無側導



STE-series
Short electrode/with edge
短電極/有側導



Unit(單位): mm	Size / 尺寸	L1	W1	T	L2	W2	L3/min
STC-Series / STE-Series	0603	1.7±0.2	0.9±0.2	0.65±0.2	1.35	0.92	0.5
	0805	2.1±0.2	1.35±0.2	0.65±0.2	1.4	1.44	0.8
	1206	3.3±0.2	1.7±0.2	0.65±0.2	1.8	1.84	1.2
	2010	5.1±0.2	2.6±0.2	0.65±0.2	2.65	2.88	2.7
	2512	6.4±0.3	3.2±0.3	0.65±0.2	3.1	3.57	3.1
	3921	11±0.3	5.1±0.3	0.65±0.2	4.5	5.75	5.0
	4527	11.6±1.0	7.1±1.0	0.65±0.2	4.65	8.05	5.2