

Current Sensing Resistors

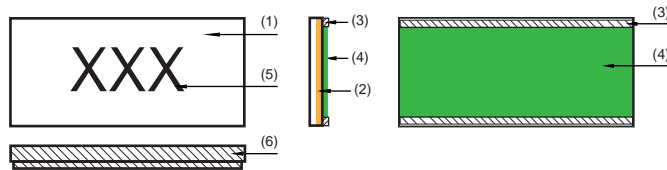
HTC/HTE Series / Metal Foil Type

Product Material / 產品材料

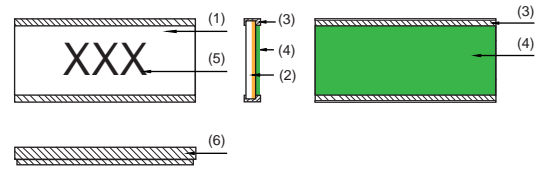
No. 號碼	Material / 材質	Description / 說明
①	Substrate / 基板	Alumina ceramic (alumina 96%) / 氧化鋁陶瓷基板 (氧化鋁含量達 96%)
②	Resistive element / 電阻本體	Alloy / 合金
③	Terminal electrode / 端電極	Sn、Ni、Cu / 錫、鎳、銅
④	Protective coating / 保護防焊層	Flame-retardant epoxy, meets UL- 94-V0 requirements (green) / 防火級環氧樹脂, 符合UL- 94-V0 要求(綠色)
⑤	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)
⑥	Edge electrode / 側邊電極	Sn、Ni、Cu / 錫、鎳、銅



HTC-Series



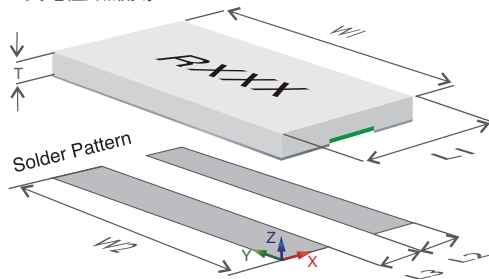
HTE-Series



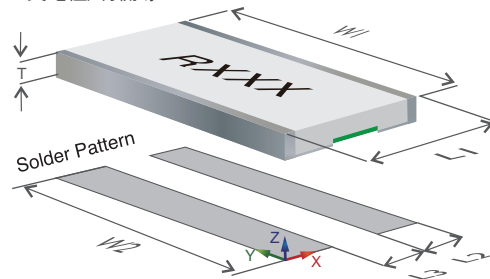
Standard Specification / 規格標準

Product Series	Model 型號	Pr (Watt)	Ro (mΩ)	Rt (%)	TCR (ppm)
		Power rating at 70°C or below 在環境溫度70°C以下時的額定功率	Device normal resistance 元件在室溫下的電阻	Normal resistance tolerance 元件在室溫下的電阻誤差範圍	Temperature coefficient of resistance 電阻溫度係數
HTC-Series / HTE-Series	0805-□-1W0-R-□□□-□	1.0	1~100	±0.5,±1	±50~±100
	1206-□-1W5-R-□□□-□	1.5	1~100	±0.5,±1	±50~±100
	1508-□-2W0-R-□□□-□	2.0	1~100	±0.5,±1	±50~±100
	2010-□-3W0-R-□□□-□	2.0	1~100	±0.5,±1	±50~±100
	2512-□-3W0-R-□□□-□	3.0	1~100	±0.5,±1	±50~±100
	3008-□-3W0-R-□□□-□	3.0	1~100	±0.5,±1	±50~±100
	3015-□-4W0-R-□□□-□	4.0	1~100	±0.5,±1	±50~±100
	3618-□-4W0-R-□□□-□	4.0	1~100	±0.5,±1	±50~±100
	3921-□-5W0-R-□□□-□	5.0	1~100	±0.5,±1	±50~±100
5931-□-10W0-R-□□□-□	10.0	1~50	±0.5,±1	±50~±100	

HTC-Series
Long electro / edgeless
長電極/無側導



HTE-Series
Long electrode / with edge
長電極/有側導



Device and Pad - Layout Dimensions / 元件產品與焊墊建議尺寸

Unit(單位): mm	Size / 尺寸	L1	W1	T	L2	W2	L3/min
HTC-Series / HTE-Series	0805	1.35±0.2	2.10±0.2	0.65±0.2	1.1	2.3	0.6
	1206	1.7±0.2	3.30±0.2	0.65±0.2	1.3	3.68	0.6
	1508	2.60±0.2	3.8±0.2	0.65±0.2	2.33	4.26	0.85
	2010	2.60±0.2	5.1±0.2	0.65±0.2	2.25	5.75	1.00
	2512	3.20±0.3	6.4±0.3	0.65±0.2	2.35	7.25	1.4
	3008	2.6±0.3	7.6±0.3	0.65±0.2	2.28	8.63	1.0
	3015	3.9±0.3	7.7±0.3	0.65±0.2	2.55	8.74	1.7
	3618	4.6±0.3	9.1±0.3	0.65±0.2	2.7	10.35	2.1
	3921	5.1±0.3	11.1±0.4	0.65±0.2	2.8	12.65	2.4
5931	7.5±0.2	15±0.2	0.6±0.2	1.05	-----	-----	