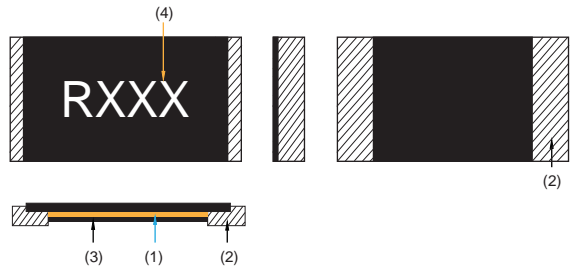
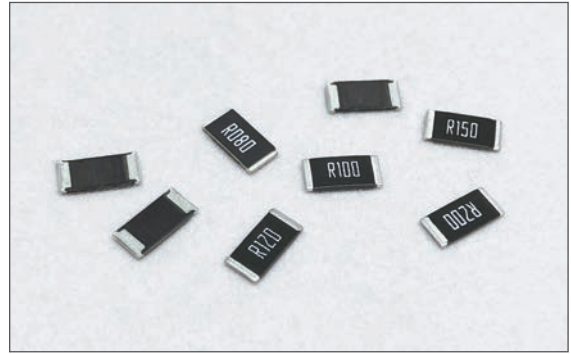


# Current Sensing Resistors

## MSE Series / Metal Plate Type

### Product Material / 產品材料

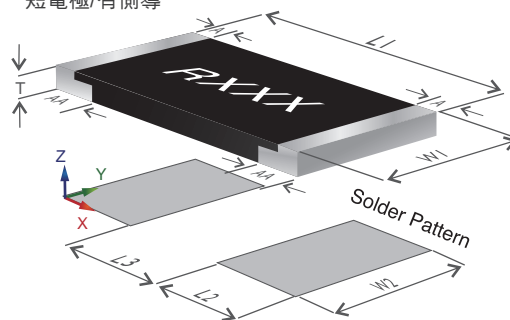
No. 號碼	Material / 材質	Description / 說明
①	Resistive element / 電阻本體	Alloy / 合金
②	Terminal electrode / 端電極	Sn、Ni、Cu / 錫、鎳、銅
③	Protective coating / 保護防焊層	Flame-retardant epoxy, meets UL-94-V0 requirements (green) / 防火級環氧樹脂, 符合UL-94-V0 要求(黑色)
④	Marking coating / 文印防焊層	Flame-retardant epoxy, meets UL-94-V0 requirements (white) / 防火級環氧樹脂, 符合UL-94-V0 要求(白色)



### 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
MSE-Series	2512-□-2W0-R-□□□-□	2.0	0.5~450	±1	±50
	2512-□-3W0-R-□□□-□	3.0	0.5~100	±1	±50
	2725-□-4W0-R-□□□-□	4.0	0.25~3	±1	±50
	2728-□-4W0-R-□□□-□	4.0	4~600	±1	±50
	4527-□-5W0-R-□□□-□	5.0	0.5~500	±1	±50

MSE-Series  
Short electrode / with edge  
短電極/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		A	AA	T	L2	W2	L3/min
MSE-Series	2512(2W, 0.5mΩ)	6.35±0.26	3.05±0.26	0.2~1	2.20±0.26	0.67±0.26	3.05	3.68	1.27
	2512(2W, 51~100mΩ)	6.35±0.27	3.05±0.26	0.2~1	1.10±0.26	0.56±0.26	1.90	3.68	3.50
	2512(2W, 101~450mΩ)	6.35±0.28	3.05±0.26	0.2~1	0.85±0.26	0.61±0.26	1.90	3.68	3.50
	2512(3W, 0.5mΩ)	6.35±0.26	3.05±0.26	0.2~1	2.20±0.26	0.67±0.26	3.05	3.68	1.27
	2512(3W, 51~100mΩ)	6.35±0.26	3.05±0.26	0.2~1	1.10±0.26	0.74±0.26	1.90	3.68	3.50
	2725(4W, 0.25mΩ)	6.80±0.26	6.35±0.26	0.2~1	2.30±0.26	0.82±0.26	3.18	6.86	1.32
	2725(4W, 0.5mΩ)	6.80±0.27	6.35±0.27	0.2~1	2.30±0.26	0.69±0.26	3.18	6.86	1.32
	2725(4W, 1mΩ)	6.80±0.28	6.35±0.28	0.2~1	1.80±0.26	0.69±0.26	2.34	6.86	3.00
	2725(4W, 1.5~3mΩ)	6.80±0.29	6.35±0.29	0.2~1	1.80±0.26	0.61±0.26	2.34	6.86	3.00
	2728(4W, 4~50mΩ)	6.60±0.26	6.70±0.26	0.2~1	1.20±0.26	0.72±0.26	2.75	7.82	3.51
	2728(4W, 51~450mΩ)	6.60±0.26	6.70±0.26	0.2~1	1.20±0.26	0.84±0.26	2.75	7.82	3.51
	2728(4W, 451~600mΩ)	6.60±0.26	6.70±0.26	0.2~1	1.20±0.26	0.77±0.26	2.75	7.82	3.51
	4527(5W, 0.5mΩ)	11.30±0.50	6.60±0.50	0.2~1	3.00±0.26	0.79±0.26	4.50	8.74	4.50
	4527(5W, 1~5mΩ)	11.30±0.50	6.60±0.50	0.2~1	2.00±0.26	0.67±0.26	3.40	8.74	6.43
	4527(5W, 6~500mΩ)	11.30±0.50	6.60±0.50	0.2~1	2.00±0.26	0.57±0.26	2.93	8.74	7.63