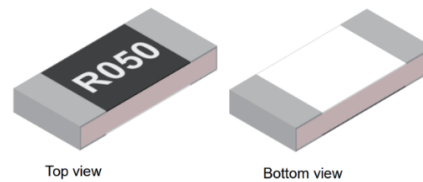
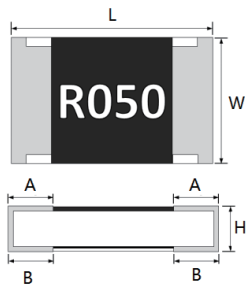


Feature (特性)

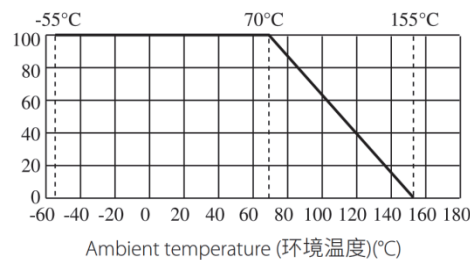
- Withstand high power 耐高功率
- Excellent temperature coefficient characteristics 优秀的温度系数特性
- Low Resistance / TCR / Inductance 低电阻值、低电感值
- RoHS compliant 符合欧盟ROHS指令，无卤
- 应用于开关电源、驱动电源、白色家电



Figures (型状)



Derating Curve (降功率曲线)



Type 类型	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)
TL01(0201)	0.60±0.03	0.30±0.03	0.26±0.05	0.15±0.05	0.15±0.05
TL02(0402)	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
TL03(0603)	1.60±0.10	0.80±0.10	0.45±0.10	0.25±0.15	0.30±0.15
TL05(0805)	2.00±0.10	1.25±0.10	0.55±0.10	0.35±0.20	0.40±0.20
TL06(1206)	3.10±0.10	1.60±0.10	0.55±0.10	0.40±0.20	0.45±0.20
TL07(1210)	3.10±0.10	2.50±0.15	0.55±0.10	0.50±0.20	0.50±0.20
TL10(2010)	5.00±0.20	2.50±0.15	0.55±0.10	0.60±0.25	0.60±0.25
TL12(2512)	6.30±0.20	3.20±0.20	0.55±0.10	0.65±0.25	0.65±0.25
TL12(2512-3W)	6.30±0.20	3.20±0.20	0.70±0.15	0.65±0.25	0.65±0.25

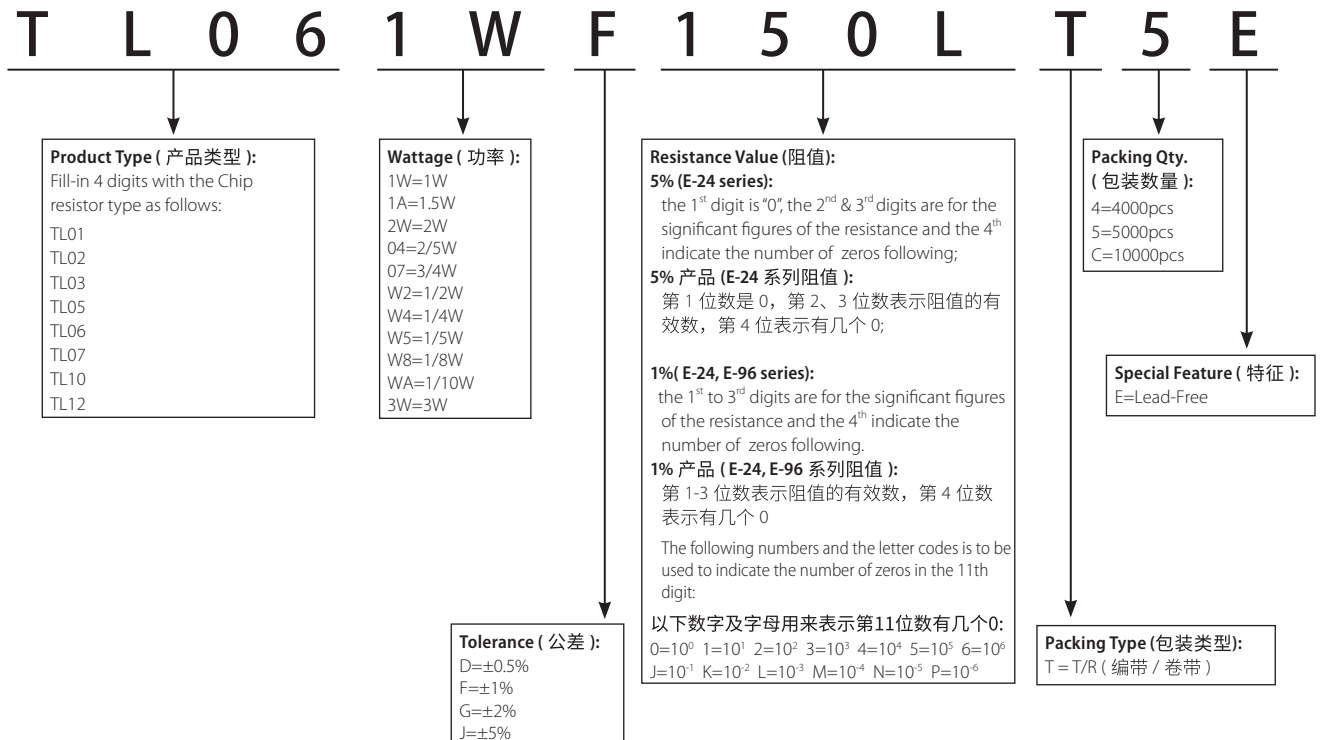
Type 类型	Rating Power 额定功率	Resistance Range & TCR. 0.5%(D),1.0%(F),2%(G),5%(J) 阻值范围 & 温度系数	Max.Rating Current 最大额定电流	Max.Overload Current 最大过载电流
TL01(0201)	1/10W	50mΩ≤R<100mΩ:±100PPM/°C 100mΩ≤R<10Ω:±50PPM/°C	1.41A	3.16A
TL02(0402)	1/8W		1.58A	3.54A
TL03(0603)	1/4W	39mΩ≤R<50mΩ:±150PPM/°C 50mΩ≤R<100mΩ:±100PPM/°C 100mΩ≤R≤10Ω:±50PPM/°C	2.24A	5.00A
	1/5W		2.00A	4.47A
TL05(0805)	2/5W	39mΩ≤R<50mΩ:±150PPM/°C 50mΩ≤R<100mΩ:±100PPM/°C 100mΩ≤R≤10Ω:±50PPM/°C	2.83A	6.32A
	1/4W		2.53A	5.66A
TL06(1206)	1/2W	39mΩ≤R<50mΩ:±150PPM/°C 50mΩ≤R<100mΩ:±100PPM/°C 100mΩ≤R≤10Ω:±50PPM/°C	3.58A	8.00A
	1/2W		3.58A	8.00A
	1W		5.06A	11.32A
TL07(1210)	1W	100mΩ≤R≤10Ω:±50PPM/°C	5.06A	11.32A
TL10(2010)	1.5W		3.87A	8.66A
TL12(2512)	2W	100mΩ≤R≤10Ω:±50PPM/°C	4.47A	10.00A
	3W		5.48A	12.25A

Performance Specifications (性能)

Test Item 试验项目	Reference standard 参考标准	Test Methods 试验方法	Evaluation Criteria 判定标准
Short-time overload 短时间过负荷	JIS C 5201-1 clause 4.13	Standard power : 6.25 times rated power whichever is less for 5 seconds. High power (2X/4X) : 5 times rated power whichever is less for 5 seconds. 标准功率: 6.5倍额定功率 5S 高功率(2X和4X):5倍额定功率5S	±(1.0%+0.001Ω)
Insulation Resistance 绝缘阻值	JIS C 5201-1 clause 4.6	100V for 1 minute	≥10GΩ
Solderability 可焊性	JIS C 5201-1 clause 4.17	245°C ± 5°C for 3 ± 0.5secs.	>95% Coverage No Visual damage 无明显外观损伤
Soldering Heat 耐焊接热	JIS C 5201-1 clause 4.18	1. Molten solder, 260±5°C, 10±1 seconds immersion time 2 焊料260±5°C, 浸润时间10±1秒 2. IR reflow, refer to solder reflow temperature condition 回流焊, 参考回流焊曲线	±(1.0%+0.001Ω) No Visual damage 无明显外观损伤
Temperature Cycling 温度循环	JIS C 5201-1 clause 4.19	-55°C to +155°C, 300 cycles	±(1.0%+0.001Ω) No Visual damage
Load Life in Humidity 湿度寿命	JIS C 5201-1 clause 4.24	40±2°C, 90~95% RH., Rated power or Max. working current whichever is less for 1000 hrs with 1.5Hr"ON" and 0.5Hr"OFF". 持续时间: 1000H (1.5H "通", 0.5H "断"); 试验温度: 40±2°C; 相对湿度: 90~95%RH; 额定功率或最大工作电流(取其低)	±(1.0%+0.001Ω)
Load Life (Endurance) 负载寿命	JIS C 5201-1 clause 4.25	70±2°C, Rated power, or Max. working current whichever is less for 1000Hrs with 1.5Hr"ON" and 0.5Hr"OFF" 70±2°C 额定功率或最大工作电流(取其低)1000H	±(1.0%+0.001Ω)

Ordering Procedure (Example: TL06(1206) 1W±1%0.15Ω T/R=5000)

订购方式 (例如: TL06(1206) 1W±1% 0.15Ω T/R=5000)



Remark: For more details, please check page 152, Part No. System. 注: 更多细节详见 P152 标准料号系统。