



0603 晶片电阻 (1/10W)

详细产品规格 - 请点击 cn.100y.com.tw

CHARACTERISTICS

测试	限定	测试方式	
		JIS C 5202	EIAJ 2690
耐负荷	±(3%+0.1Ω)	7.10 1,000Hr	—
耐湿	±(2%+0.05Ω)	7.9 1,000Hr	—
电极可焊性	>95% coverage	6.5 230°C/5 sec.	—
绝缘电阻	10M Ω MIN.	—	—
电介质承受电压	500V. /minute	—	—
振动	±1%	—	—

规定值:

型号	最大工作电压	最大负载电压	操作温度范围	耐电阻	电阻范围
0603	50V	100V	-55°C+125°C	5%, 2%	1Ω~10MΩ

100Y 编号	厂商编号	制造厂商	说明	电阻值(Ω)	误差值(±)	包装单位
16830	0603-10MΩ±5%	SYNTON	SMD 电阻	10MΩ	±5%	5000pcs/R
17232	0603-115Ω±1%	SYNTON	SMD 电阻	115Ω	±1%	5000pcs/R
16026	0603-150Ω±5%	SYNTON	SMD 电阻	150Ω	±5%	5000pcs/R
17228	0603-2.2Ω±5%	SYNTON	SMD 电阻	2.2Ω	±5%	5000pcs/R
16024	0603-3.3KΩ±5%	SYNTON	SMD 电阻	3.3KΩ	±5%	5000pcs/R
17229	0603-300Ω±1%	SYNTON	SMD 电阻	300Ω	±1%	5000pcs/R
17231	0603-470Ω±1%	SYNTON	SMD 电阻	470Ω	±1%	5000pcs/R
17513	0603-475Ω±1%	SYNTON	SMD 电阻	475Ω	±1%	5000pcs/R
17541	0603-510KΩ±1%	SYNTON	SMD 电阻	510KΩ	±1%	5000pcs/R
17540	0603-7.32KΩ±1%	SYNTON	SMD 电阻	7.32KΩ	±1%	5000pcs/R



特点:

- 尺寸小, 重量轻
- 高稳定性和可靠性
- 减小最后设备尺寸
- 降低组装成本
- 更高的组件和设备可靠性
- 无铅产品应用



描述和实体尺寸

电阻器阵列放在高级陶瓷身体(氧化铝)。内部金属电极增加在各个末端, 应用基体的顶面电阻贴连接。调整贴成分近似电阻需求,且平衡内部耐用性通过电阻层激光切口。电阻层涂有防护层。二个外末端增加。为焊接容易,外层末端是导线或锡合金。标号代码描述取决于组件尺寸和耐用性。

性能说明书

测试	程序	要求	
		Resistor	Jumper
DC 电阻	DC resistance values measured at the test voltages specified below : <10Ω@0.1V, <100Ω@0.3V, <1KΩ@1.0V, <10KΩ@3V, <100KΩ@10V, <1MΩ@25V, <10MΩ@30V	Within the specified tolerance	< 50mΩ
温度系数阻抗 (TCR)	Natural resistance change per change in degree centigrade. $\frac{R_2 - R_1}{R_1 (t_2 - t_1)} \times 10^6$ (ppm/°C) R1 : Resistance at reference temperature R2 : Resistance at test temperature t1 : 25°C	Test temperature -55~+155°C ≥1MΩ, -300~+500ppm/°C ≥10Ω, ≤±200ppm/°C <10Ω -300~+500ppm/°C	N/a
短时间负荷 (STOL)	Permanent resistance change after a 5second application of a voltage 2.5 times RCWV or the maximum overload voltage specified in the above list, whichever is less.	ΔR/R max. ±(2%+0.10Ω)	< 50mΩ
热焊阻抗	Unmounted chips 10±1 seconds, 270±5°C	no visible damage ΔR/R max. ±(1%+0.10Ω)	no visible damage, < 50mΩ
可焊性	Termination SnPb base : Unmounted chips completely immersed for 2±0.5 sec. in a solder bath at 230±5°C Termination Sn base (lead free) : Unmounted chip completely immersed in a lead free solder bath, 245°C±5°C, 3±1 sec	good tinning (>95% covered) no visible damage	
温度周期	1. 30 minutes at -55°C±3°C, 2. 2~3 minutes at room temperature, 3. 30 minutes at +155°C±3°C, 4. 2~3 minutes at room temperature, Total 5 continuous cycles	no visible damage ΔR/R max. ±(1%+0.10Ω)	no visible damage, < 50mΩ
寿命负载 (耐性)	70±2°C, 1000 hours, loaded with RCWV or Vmax, 1.5 hours on and 0.5 hours off	10Ω~1MΩ ±(3%+0.1Ω) <10Ω or ≥1MΩ ±(5%+0.1Ω)	< 50mΩ
耐湿	1000 hours, at rated continuous working voltage in humidity chamber controller at 40°C±2°C and 90~95% relative humidity, 1.5hours on and 0.5 hours off	10Ω~1MΩ ±(3%+0.1Ω) <10Ω or ≥1MΩ ±(5%+0.1Ω)	< 50mΩ
弯曲和端子强度	Resistors mounted on a 90mm glass epoxy resin PCB(FR4); bending : 5 mm, once for 10seconds Pulling test : 500grams	no visible damage ΔR/R max. ±(1%+0.10Ω)	no visible damage, < 50mΩ



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