金属膜贴片电阻(高信赖、超精密级)

■URG系列　　AEC-Q200标准

特　长

- 超高的电阻精度：±0.01%
- 超低温度系数：±1ppm
- 采用无机保护膜实现长期稳定性
- 实现低杂音、耐硫化的薄膜构造

用　途

- 工业用计量器、电子秤
- 高精度感应器、医疗器械

Lead free　Halogen free　RoHS Compliance

◆品名构成

URG 2012 L - 102 - L - T1

- URG：料号
- 2012：尺寸：URG1608, URG2012, URG3216, URG5025, URG6432
- L：温度系数
- 102：名义电阻值(E-24:3位数，E-96:4位数，URG3216,URG5025,UGR6432都是4位数)
- L：电阻值精度
- T1：包装：T1(1,000个)T05(500个)T01(100个)

◆额　定

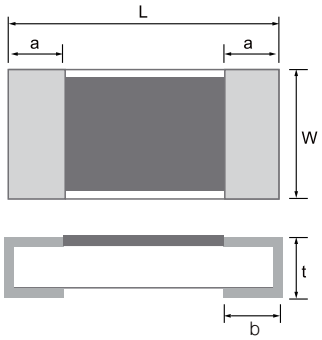
型　号	额定功率	温度系数	电阻值范围(Ω)与精度(%)					单体最高电压	电阻值系列	温度范围	包　装
			±0.01%(L)	±0.02%(P)	±0.05%(W)	±0.1%(B)	±0.5%(D)				
URG1608	1/16W	±1(K) ※1	250≦R≦7.5k	100≦R≦7.5k				100V	E24, E96	-55℃ ~ 155℃	T1 T05 T01
		±2(L) ※2									
URG2012	1/10W	±1(K) ※1	250≦R≦36k	100≦R≦36k				150V			
		±2(L) ※2									
URG3216	1/4W	±1(K) ※1	250≦R≦68k	100≦R≦68k				200V			
		±2(L) ※2									
URG5025	1/2W	±1(K) ※1	250≦R≦100k	100≦R≦150k				300V			
		±2(L) ※2									
URG6432	3/4W	±1(K) ※1	250≦R≦100k	100≦R≦200k				300V			
		±2(L) ※2									

※1：温度范围 25℃～65℃温度系数保证值：±1.0
温度范围 -20℃～25℃和　65℃～125℃温度系数保证值：±1.5

※2：温度范围保证在 -20℃～125℃

※上述以外的规格也请咨询。

◆外形尺寸



型　号	尺寸 (inch)	L	W	a	b	t
URG1608	0603	1.60±0.20	0.80+0.25/−0.20	0.30±0.20	0.30±0.20	0.40+0.15/−0.10
URG2012	0805	2.00±0.20	1.25+0.25/−0.20	0.40±0.20	0.40±0.20	0.40+0.15/−0.10
URG3216	1206	3.20±0.20	1.60±0.25	0.50±0.25	0.50±0.20	0.40+0.15/−0.10
URG5025	2010	5.00±0.20	2.50±0.25	0.60±0.25	0.60±0.25	0.45±0.10
URG6432	2512	6.40+0.20/−0.40	3.20±0.25	0.75±0.25	0.80±0.20	0.45±0.20

(unit : mm)

◆性　能

项　目	试验条件(MIL-PRF-55342/JIS C5201-1)	规　格
短时间过负荷	额定功率※1 的 2.5 倍、5 秒	±(0.02%+0.01Ω)
耐久性	70℃、额定功率※1 90 分钟 ON 30 分钟 OFF 2000 小时	±(0.02%+0.01Ω)(R≧250Ω)
		±(0.05%+0.01Ω)(R＜250Ω)
高温高湿负荷	85℃、85%RH 、额定功率的 1/10　90分钟 ON 30分钟 OFF 1000 小时	±(0.05%+0.01Ω)
温度骤变	-65℃(15分钟)～150℃(15分钟) 100循环	±(0.02%+0.01Ω)
高温放置	155℃　1000 小时	±(0.05%+0.01Ω)
焊锡耐热性	235±5℃　30 秒(回流焊)(根据 MIL-PRF-55342)	±(0.01%+0.01Ω)

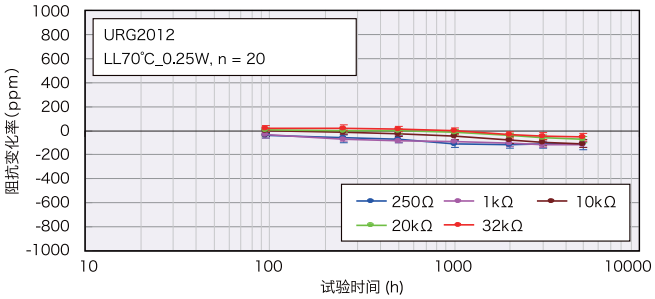
※1　额定功率是根据 $E=\sqrt{R\times P}$ 来计算。
E＝额定电压 (V)、R= 额定电阻值(Ω)、P= 额定功率(W)
额定电压超过电阻最高电压时，电阻最高电压是额定电压

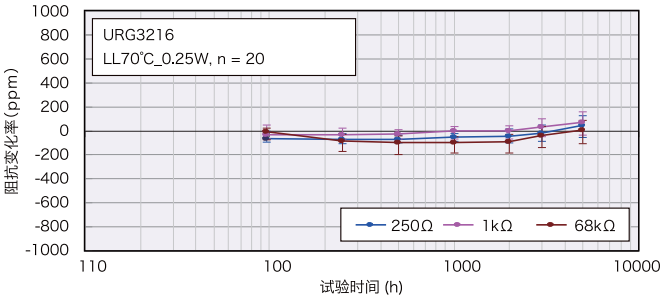
金属膜贴片电阻(高信赖、超精密级)

■URG系列

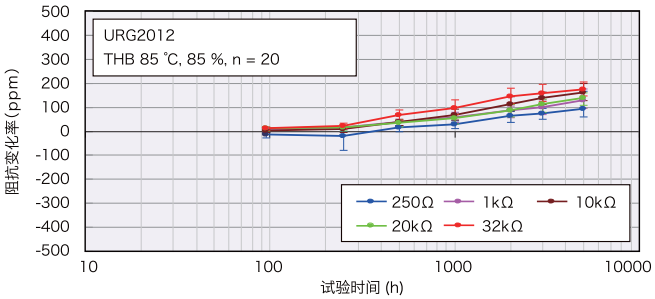
◆特性数据

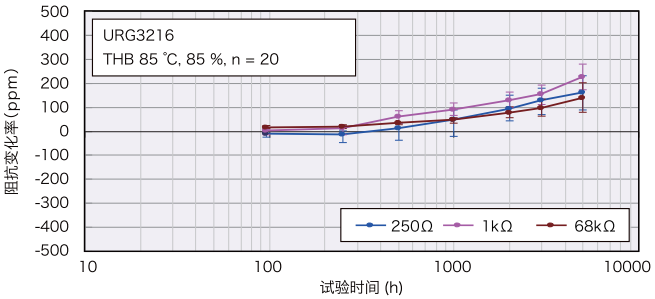
○耐久性



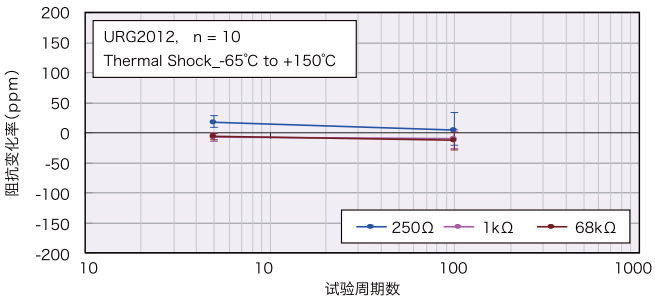


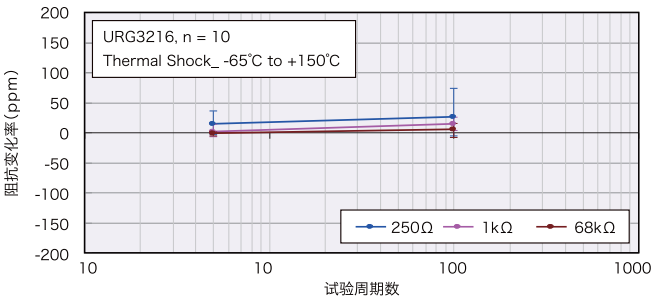
○高温高湿负荷



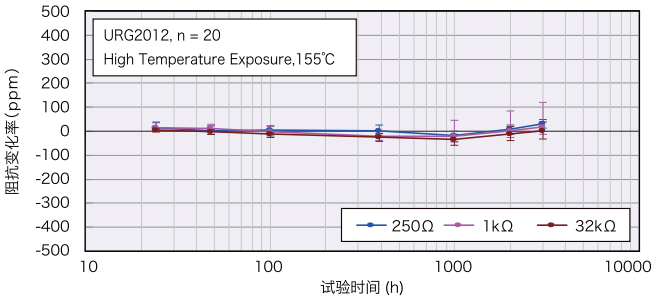


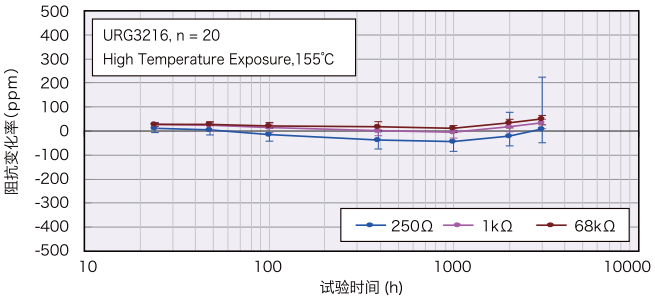
○温度骤变





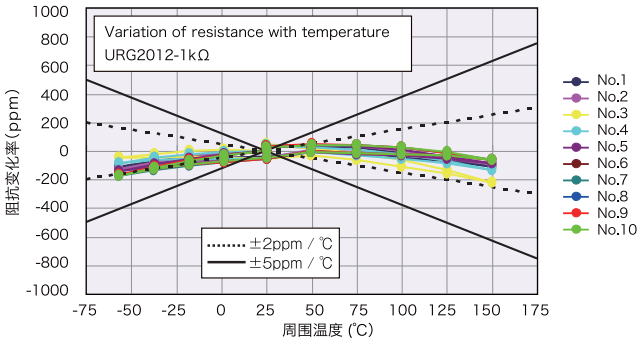
○高温放置

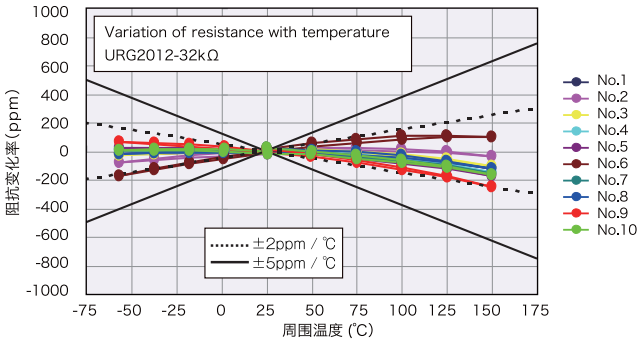




◆电阻温度特性

○URG2012





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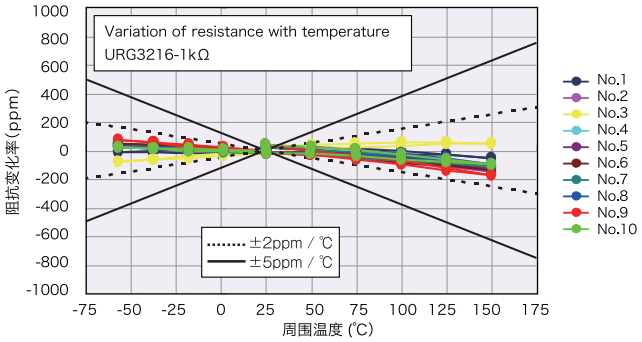

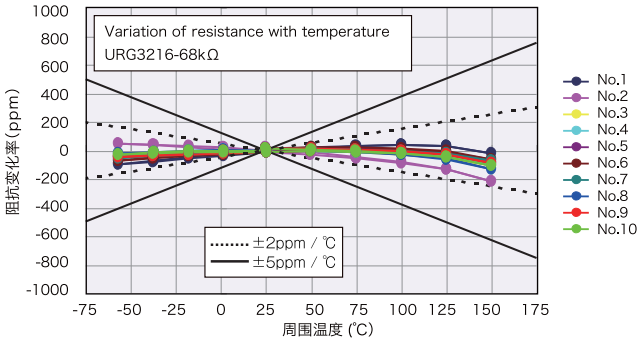
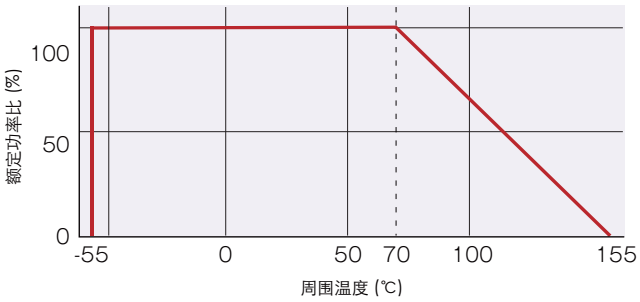
◆负荷减轻曲线