大功率金属膜贴片电阻(长边电极)

■PRG系列　　AEC-Q200标准

Lead free　Halogen free　RoHS Compliance

特　长

- 实现低杂音、耐硫化的薄膜构造
- 与同一尺寸的旧品相比，大幅提高额定功率
  尺寸：3216 ～ 6432、额定功率：0.5W ～ 3.0W、电阻值范围：2.50Ω～ 250KΩ
- 非常高的电阻精度：±0.1%、电阻温度系数：±25ppm/℃
- 实现低杂音、耐硫化的薄膜构造

用　途

- 汽车相关设备
- DC 发动机、变压器
- 机器人、FA设备

◆品名构成

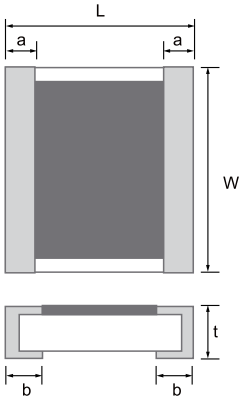
PRG 3216 P - 1001 - B - T5

- PRG：料号
- 3216：尺寸：PRG3216, PRG5025, PRG6432
- P：温度系数
- 1001：名义电阻值(E-24、E-96都是4位数)
- B：电阻值精度
- T5：包装：T4(4,000个)(PRG6432, PRG5025) T5(5,000个)(PRG3216, PRG2010)

◆额　定

型　号	额定功率	温度系数 (ppm/℃)	电阻值范围(Ω)与精度(%) ±0.1%(B)	电阻值范围(Ω)与精度(%) ±0.5%(D)	单体最高电压	电阻值系列	温度范围	包　装
PRG3216	1.0W	±25(P)	47≦R≦100k	10≦R≦100k	150V	E-24, E-96	-55℃ ~ 155℃	T5
		±50(Q)		2.5≦R≦100k				
PRG5025	1.5W ~ 2.0W	±25(P)	47≦R≦200k	10≦R≦200k	200V			T4
		±50(Q)		2.5≦R≦200k				
PRG6432	2.0W ~ 3.0W	±25(P)	47≦R≦250k	10≦R≦250k	400V			
		±50(Q)		2.5≦R≦250k				

◆外形尺寸



型　号	尺寸 (inch)	W	L	a	b	t
PRG3216	1206	3.20+0.40/-0.20	1.60±0.20	0.30±0.20	0.35±0.20	0.45+0.15/-0.10
PRG5025	2010	5.00±0.20	2.50±0.20	0.55±0.20	0.60±0.20	0.45+0.15/-0.10
PRG6432	2512	6.40+0.20/-0.40	3.20±0.20	0.40±0.20	0.55±0.20	0.45+0.15/-0.10

(unit : mm)

◆性　能

项　目	试验条件(JIS C5201-1)	规　格	
		≦47Ω	≧47Ω
耐久性	70℃、额定功率※1 90 分钟 ON 30分钟 OFF 1000小时	±(0.25%+0.05Ω)	±(0.1%+0.01Ω)
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	±(0.25%+0.05Ω)	±(0.1%+0.01Ω)
温度骤变	-55℃(30 分钟)～ 125℃(30 分钟)　1000循环	±(0.25%+0.05Ω)	±(0.1%+0.01Ω)
高温放置	155℃　无负荷　1000小时	±(0.25%+0.05Ω)	±(0.1%+0.01Ω)
焊锡耐热性	260±5℃ 10秒(回流焊)	±(0.1%+0.01Ω)	±(0.05%+0.01Ω)

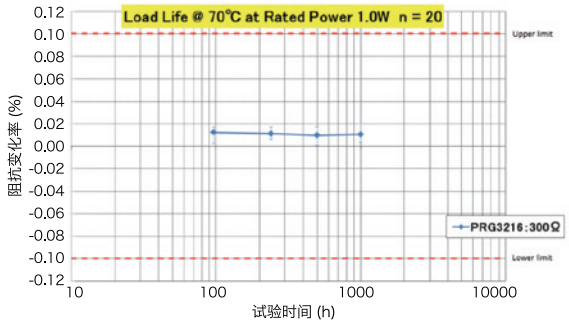
※1　额定功率是根据 $E=\sqrt{R\times P}$ 来计算。
E＝额定电压（V)、R= 额定电阻值(Ω)、P= 额定功率(W)
额定电压超过电阻最高电压时，电阻最高电压是额定电压

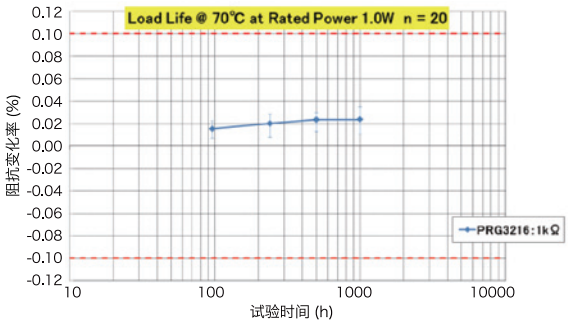
大功率金属膜贴片电阻(长边电极)

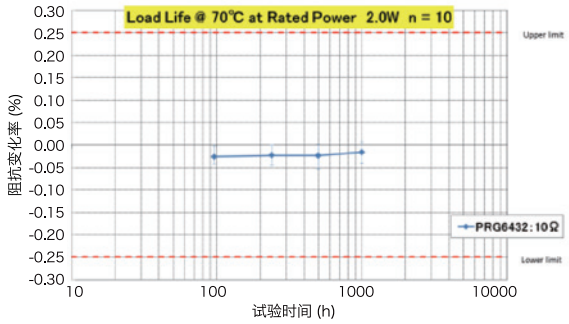
■PRG系列

◆特性数据

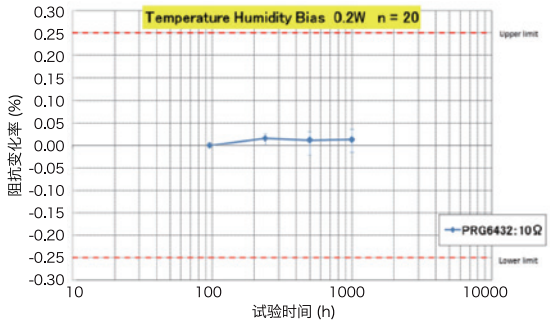
○耐久性

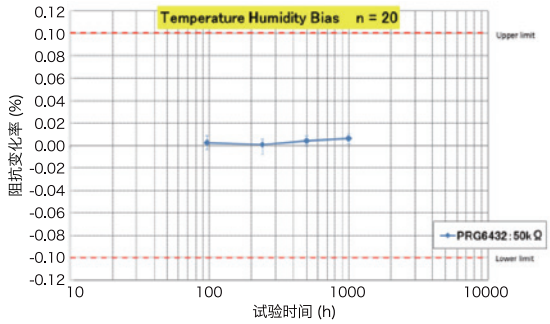


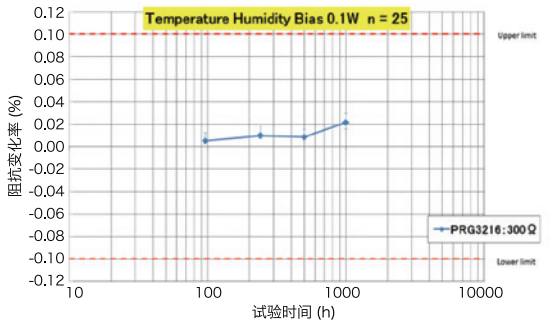


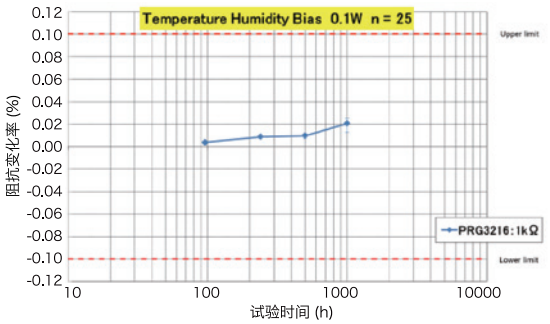


○高温高湿负荷

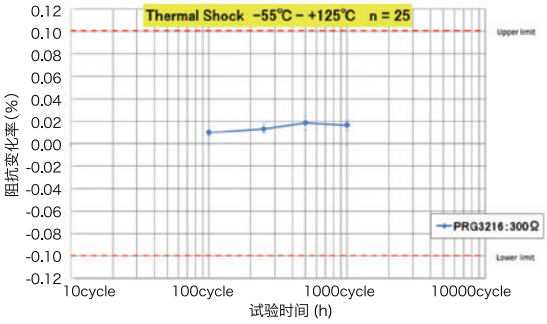


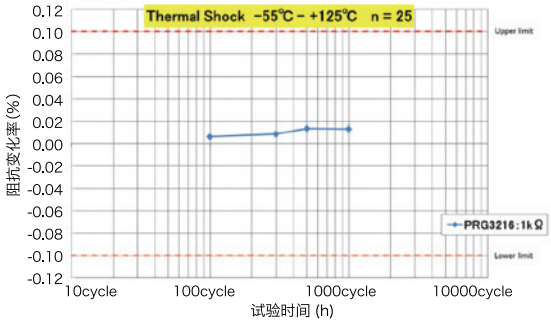


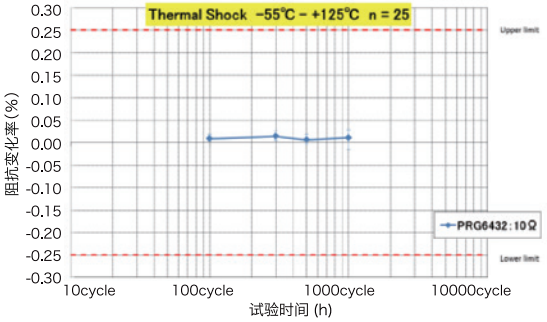


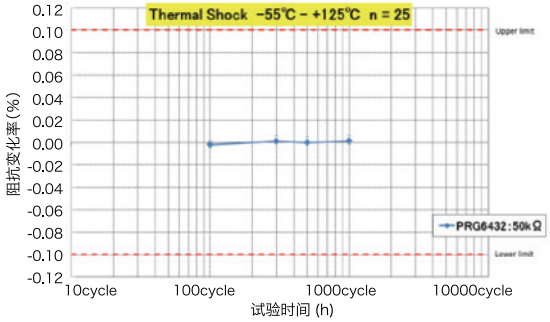


○温度骤变

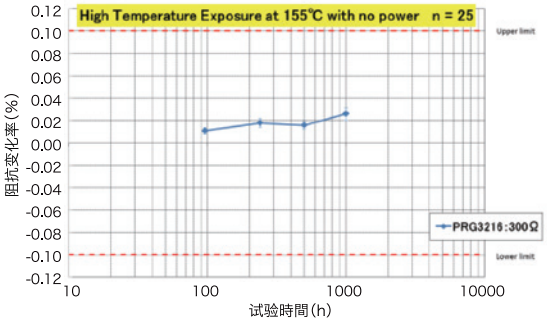


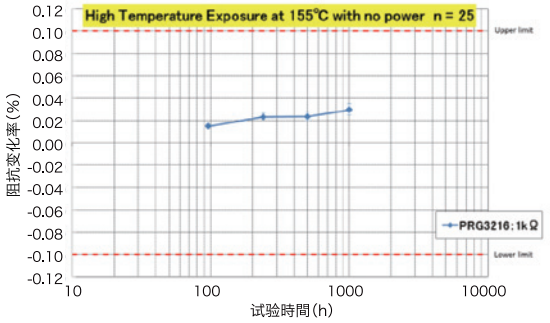


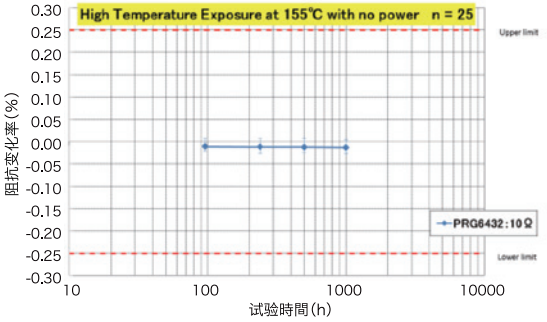


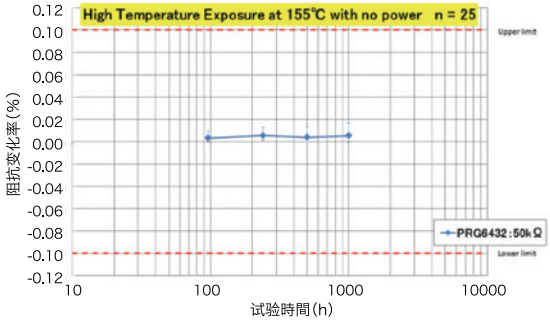


○高温放置



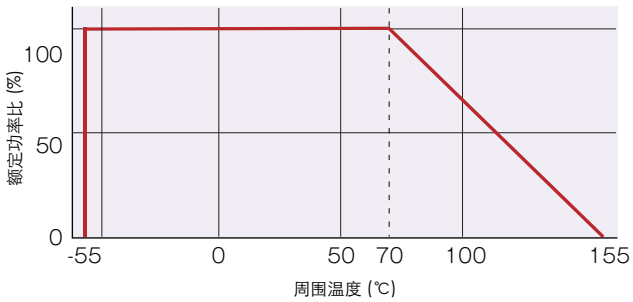
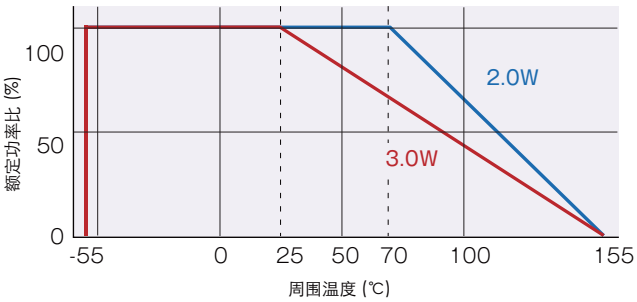






◆负荷减轻曲线

○PRG3216



○PRG6432