

ULTRA HIGH WORKING VOLTAGE, HIGH OHM VALUE

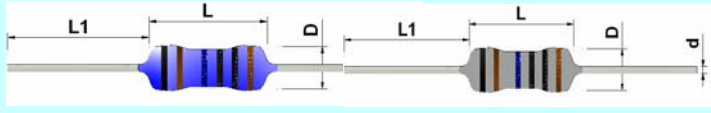
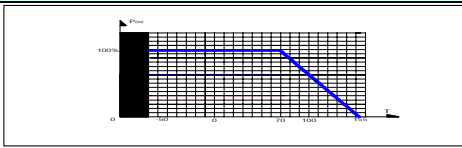
超高阻值, 超高耐压

METAL GLAZE FILM RESISTORS

金属釉膜电阻器

Quick reference data

技术参数

Type	RG73	RG74	RG16	RG17	RG18	型号	
DIN-44061 type	0207	0414	0617	0719		德国工业标准型号	
VISHAY type	VR25	VR37	VR68			Vishay 公司型号	
CADDOCK type	MG655	MG660	MG710	MG721		Caddock 公司型号	
PRP type	HV1/4	HV1/2	HV 1	HV 2	HV 3	PRP 公司型号	
HYMEG type	HA-55	HA-60	HA-65	HA-70		HYMEG 公司型号	
TEPRO type	TVH.25	TVH.5	TVH.75			TEPRO 公司型号	
IRC type	CGH-1/4 / RG07	CGH-1/2 / RG20	CGH-1	CGH-2		IRC/TT 公司型号	
OHMITE type	MOX200	MOX300				OHMITE 公司型号	
EBG type		RSX1/10	OGP 13	OGP 26		EBG 公司型号	
Resistance range	1kΩ to 1GΩ	1kΩ to 1GΩ	1kΩ to 1GΩ	1kΩ to 2GΩ	1kΩ to 2GΩ	阻值范围	
Resistance tolerance	D(±0.5%); F(±1%); J(±5.0%); K(±10%)					精度	
Temperature coefficient	±50ppm/°C; ±100ppm/°C; ±200ppm/°C					温度系数	
Rated dissipation, P_{70}	0.25W	0.50W	1.0W	2.0W	3W	70°C 以下功率	
Max. operating voltage U_{max}	1600V _{DC}	3500V _{DC}	7000V _{DC}	10000V _{DC}	15000V _{DC}	U_{max} 最大工作电压	
Max. short time over load voltage	3200V _{DC}	5000V _{DC}	7000V _{DC}	10000V _{DC}	15000V _{DC}	最大短时间过载电压	
	$U = \sqrt{2.5 \times P_{70} \times R} \leq 2U_{max}$; 5s on and 45s off, 10 cycles; $\Delta R/R_{max} \leq 2\%$						
Operating Temperature range	-55°C to 155°C					工作温度范围	
Insulation voltage	>500V					绝缘耐压	
Insulation resistance	>1GΩ					绝缘阻抗	
Endurance	50kΩ to 10MΩ	50kΩ to 22MΩ	50kΩ to 22MΩ	50kΩ to 22MΩ	50kΩ to 22MΩ	耐久性实验	
Max. resistance change at P_{70}	$\leq 1.5\%$					最大允许阻值变化量	
$\Delta R/R_{max}$, after 1000h						$\Delta R/R_{max}$	1000小时后
Damp heat, steady state	0.01x P_{70} , less than 100V _{DC} ; 40±2°C; 56 days, 90~95% RH; $\Delta R/R_{max} \leq 1.5\%$					稳态湿热	
Rapid change of temperature	30 minutes at -55°C; 30 minutes at +155°C; 5 cycles; $\Delta R/R_{max} \leq 0.5\%$						
Dimension	Max. (mm)	L=6, D=2.5	L=10, D=3.5	L=13, D=4.5	L=17, D=5.5	L=26, D=8.5	Max. (mm)
	±0.05(mm)	d=0.6	d=0.6	d=0.8	d=0.8	d=0.8	
Outlook						外观	
Derating curve						降功率曲线	

Yellow code and gray code is used to replace the golden code and silver code for protecting high voltage performance.

The black code behind the tolerance code is to distinguish the metal glaze film resistors from the others.

黄色色环和灰色色环取代金色和银色色环,以提高高压工作性能。

精度色环之后的黑色色环作为金属釉膜电阻的特殊标志,用于区别金属釉膜电阻器和其它电阻器