

DISCHARGE PATH RESISTOR

RMU 金属釉电阻器
METAL GLAZE RESISTOR (Standard Type)

RMS 小型金属釉电阻器
METAL GLAZE RESISTOR (Small Type)

RMH 大型金属釉电阻器
METAL GLAZE RESISTOR (Large-scale Type)



涂装颜色：Coating Color

标准品：Standard Type (1/6W, 1/4W Dark blue, other pink)

小型品：Small Type ($\geq 1/2W$ Pink)

大型品：Large-scale Type (Pink)

标示：Marking

色码：Color Code ($\leq S1/2W$)

文字：Alphanumeric (1/2W~S3W、H1W)

特性 Feature

◎使用不燃性涂料，具不燃与绝缘之安全特性(UL94 V-0)

◎ Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base.

(Equivalent to UL94 V-0)

◎产品符合欧盟 RoHS 要求

◎ Products meet EU-RoHS.

产品认证 Approvals awarded

● UL 1676 & c-UL (CSA C22.2 No.1-98) File No.E220321

1/2, 1, 2 Watt, 680K to 10M 125V : 1/2, 1, 2 Watt, 960K to 12M 250V

● EN 60065 (VDE 0860) : 2011-10 Clause 14.1a、14.1b

Ausweis-Nr : 40030403 (1/4, 1/2, 1 Watt) 100K to 100M

Ausweis-Nr : 40030404 (1/2, 1, 2 Watt) 100K to 100M

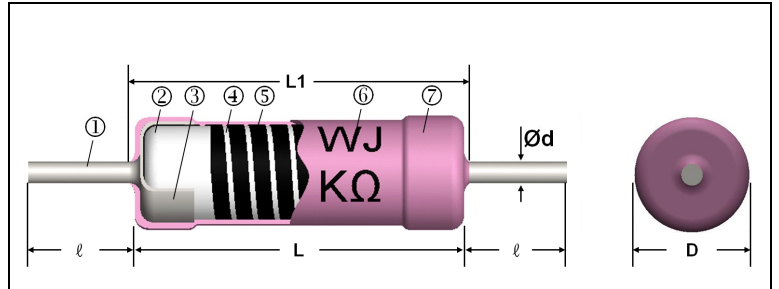
● SEMKO&CB. 1/4, 1/2, 1, 2 Watt, 100K to 100M. Reference No.814991

1/4, 1/2, 1, 2 Watt, 100K to 100M

额定 Ratings

Rated Power (W)	阻值范围 Resistance Range (Ω)			最高使用电压 Max. Working Voltage	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Taping/Ammo, Forming/Bulk pack (pcs)								
	F \pm 1% (E96)	G \pm 2% (E24)	J \pm 5% (E24)				A26	A52	A64	FT	YT	L	C	M	D
1/6, S1/4	10 Ω ~ < 100M			300V	300V	F \pm 1%: \pm 100ppm/ $^{\circ}$ C G \pm 2%: \pm 200ppm/ $^{\circ}$ C J \pm 5%: \pm 200ppm/ $^{\circ}$ C	5000	-	-	-	-	-	-	-	-
1/4, S1/2				1600V			-	2500	-	2000	-	2500	2500	2500	2500
1/2, S1				3500V			-	2000	-	2000	2000	2500	2500	2500	2500
1, S2				7000V			-	1000	-	1000	1000	1000	1000	1000	1000
2, S3, H1				10000V			-	500	500	-	1000	1000	1000	1000	1000

结构图 Construction



1	端子线	Lead wire	5	金属釉皮膜	Metal glaze film
2	瓷棒	Ceramic base	6	标示	Marking or color code
3	铁帽	Cap			
4	切割线	Helical cutting groove	7	绝缘涂料	Insulation coat

外型尺寸 Dimensions

Rated Power (W)	Dimensions (mm)					Weight (g) (1000pcs)
	L	L1 Max.	D	Φ d	ℓ	
1/6, S1/4	3.3 \pm 0.3	4	1.8 \pm 0.2	0.45 \pm 0.05	28 \pm 2	120
1/4, S1/2	6.0 \pm 0.3	7	2.4 \pm 0.1	0.6 \pm 0.05	28 \pm 2	218
1/2, S1	9 \pm 0.5	11	3.3 \pm 0.5	0.6/0.8 \pm 0.05	28 \pm 3	320
1, S2	12 \pm 1	15	4.5 \pm 0.5	0.8 \pm 0.05	38 \pm 3	780
2, S3, H1	16 \pm 1	18	5.5 \pm 0.5			1450

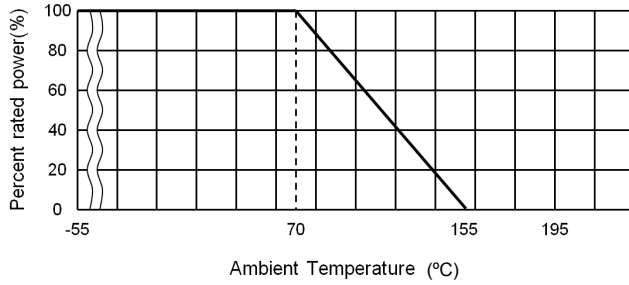
料号编码 Type composition

例 Example

R	U	14	J	1005	A520	NL
型名 Type	品名 Size	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming	端子线 Lead Wire
	U: Standard	16:1/6W	F \pm 1%	10R0=10	See table	电镀线
	S: Small	14:1/4W	G \pm 2%	1000=100	below	Electro plated
	H: Large-scale	12:1/2W	J \pm 5%	1001=1K		
		01:1W		1002=10K		
		02:2W		1003=100K		
		03:3W		1004=1M		
				1005=10M		

■ 额定温度下降曲线图 Derating curve

例 Example



■ 二次加工对应表 Taping & Forming Matrix

Rated Power (W)	Taping			Radial Taping		L Forming				C Forming			F Forming				M Forming			D Forming			
	A26	A52	A64	FT	YT	L10	L12.5	L15	L20	C12.5	C15	C20	FA5	FB5	FC5	FD5	M12.5	M15	M20	D12.5	D15	D20	
1/6,S1/4	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1/4,S1/2	—	○	—	○	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1/2,S1	—	○	—	○	○	—	○	—	—	○	—	—	○	○	○	○	○	—	—	—	○	—	—
1,S2	—	○	—	○	○	—	—	○	—	—	○	—	○	○	○	○	—	○	—	—	—	○	—
2,S3,H1	—	○	○	—	○	—	—	—	○	—	—	○	○	○	○	○	—	—	○	—	—	—	○

■ 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±(1%+0.05Ω)	6.25 倍额定功率, 5 秒 6.25 times the rated power for 5 seconds
负荷寿命 Load life	±(1.5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	±(5%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	±(1%+0.05Ω)	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
断续过负荷 Intermittent overload	±(5%+0.1Ω)	Applicable more than 100Ω ; Rated voltage ×3 1s ON / 25s OFF , 10,000 cycles
焊锡耐热 Resistance to soldering heat	±(1%+0.05Ω)	260°C ± 5°C for 10 seconds (焊锡槽) 350°C ± 10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>1,000MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.
不燃性 Flameproof	无燃烧现象 No evidence of flaming or arcing	AC voltage of 2,4,8,16,32 times the power rating for 1min. (V ≤ 4 times max. working voltage)
脉冲测试 Pulse withstanding voltage	±20% 	The following discharge cycle is repeated in the circuit of the left fig. 2.5 sec. ON 2.5 sec. OFF 50 cycles. With following DC pulse test voltage. Pulse voltage: 1/6W,S1/4W : (3KV). ≥ 1/4W < 100K:(3KV)//100 K~620K:(5KV) > 620 K:(10KV) Capacitor : UL-0.01 μF Non-UL 0.001μF