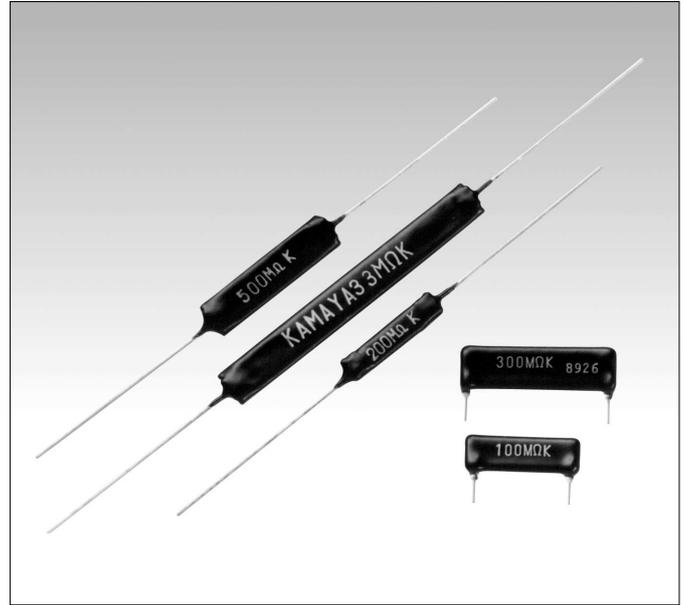


# RM1/2, 1, 2 (1M ohm—1,000M ohm)

## ●Features

1. Available in two terminal styles.
2. High value range available 1M ohm to 1,000M ohm.
3. Stable characteristics in pulse voltage applications.
4. Suitable for use in high voltage applications.
5. Stable electrical characteristics.



## ●Dimensions

**Type A**

**Type B**

Unit : mm

Style	L	W	T	H	d	*Unit Weight/pc.
RM1/2A	22.5max.	5.5max.	4.0max.	35.0±1.0	0.7	760mg
RM1A	27.5max.	7.5max.	4.0max.	35.0±1.0	0.7	1,334mg
RM2A	53.5max.	8.0max.	4.0max.	35.0±1.0	0.7	2,052mg

\*Values For Reference

Unit : mm

Style	L	H <sub>1</sub>	T	P	H	*Unit Weight/pc.
RM1/2B	19.0max.	8.0max.	3.3max.	15.0±0.5	3.5±0.5	527mg
RM1B	26.5max.	9.0max.	3.3max.	22.5±0.5	3.5±0.5	860mg

\*Values For Reference

Note : Please contact KAMAYA for the details of marking to the resistance.

## ●Product Classification

Example

<u>RM</u>	<u>1</u>	<u>B</u>	<u>10M0</u>	<u>J</u>	<u>B</u>																																														
①Product Type	②Rated Power	③ Type	④Rated Resistance	⑤Tolerance on Rated Resistance	⑥Packaging																																														
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\*Voltage dividers are available to order (Type B). Contact KAMAYA for dividing ratio.

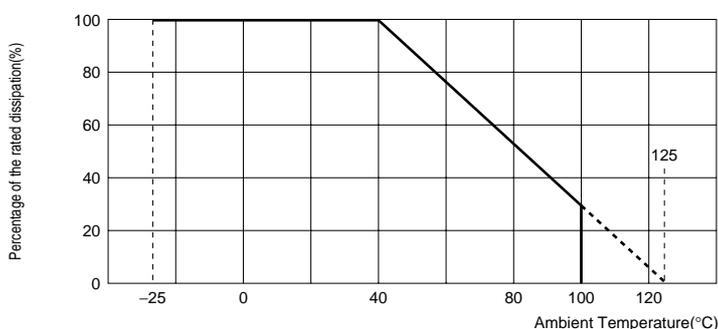
FIXED HIGH VOLTAGE RESISTORS; PLATE TYPE RM1/2, 1, 2

●Ratings

Style	Rated Power W	Maximum Working Voltage V	Maximum Overload Voltage V	Pulse Voltage kV	Resistance Range M ohm	Tolerance on Rated Resistance
RM1/2A, B	0.5	3.5	5.0	15.0	1~500	F (±1%) G (±2%) J (±5%) K (±10%) M (±20%)
RM1A, B	1.0	7.5	10.0	20.0	1~1,000	
RM2A	2.0	10.0	15.0	30.0	1~1,000	

●Derating Curve

The derated values of dissipation at temperature in excess of 40°C shall be as indicated by the following Curve.



●Performance Characteristic

Description	Requirements	Test Method JIS C 5202-1990
Resistance	Within specified tolerance	<b>Clause 5.1</b>
Temperature Characteristic of resistance	Within $\pm 200 \times 10^{-6} / ^\circ\text{C}$	<b>Clause 5.2</b> Room temp. and 80°C above
Overload	Within $\pm 1\%$ No major visible damage	<b>Clause 5.5</b> Rated voltage $\times 2.5$ , 5s
Insulation resistance	At least 1,000M ohm	<b>Clause 5.6</b> Condition A 500Vd.c., 60s
Pulse endurance	Within $\pm 1\%$ No major visible damage	No major visible damage Apply $(1.2 \times 50) \mu\text{s}$ pulse wave. : See ratings table for Testing Voltages.
Robustness of terminations Tensile	Lead is not cut, Terminal is not loose	<b>Clause 6.1.2(1)</b> 10N 10s
Solderability	At least 95% of the dipping surface must be covered by new solder	<b>Clause 6.5</b> 235 $\pm 5^\circ\text{C}$ 2 $\pm 0.5\text{s}$
Rapid change of temperature	Within $\pm 1\%$ No major visible damage, legible marking	<b>Clause 7.4</b> -25°C/+100°C for 10 cycles
Humidity (Normal Condition)	Within $\pm 5\%$ No major visible damage	<b>Clause 7.9</b> 40°C 90~95%R.H. 1000h
Endurance at 70°C	Within $\pm 5\%$ No major visible damage	<b>Clause 7.10</b> Rated voltage 1.5h "ON", 0.5h "OFF", 40°C 1000h