

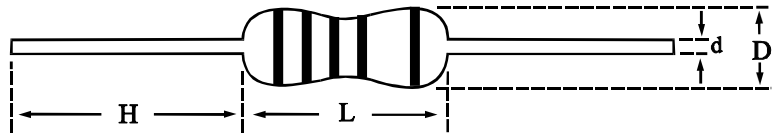
公司名稱 Company Name	高銘電子股份有限公司 K-OHM ELECTRIC CO; LTD.
品名 Product Name	精密金屬膜電阻 METAL FILM RESISTORS

● PRODUCT FEATURES :

1. LOW NOISE
2. LOW T.C.R. 100ppm, 50ppm, 25ppm,15ppm,10ppm.
3. HIGH PRECISION 1%, 0.5%, 0.25%, 0.1%

● POWER、RATINGS、DIMENSIONS

- ⊙ Standard Type: 1/16W ~2W
 - ⊙ Miniature Type: 1/4Ws~3Ws
- Dimensions



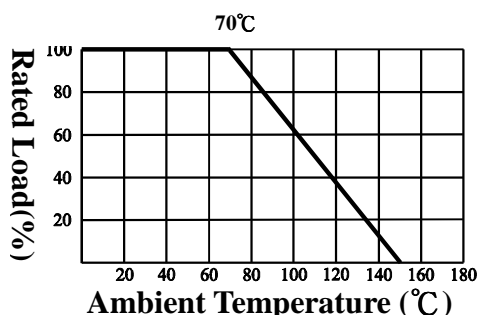
STYLE		DIMENSIONS(mm)				Comment
Normal	Miniature	L	D	H	d	
RM0204	RM0204S	$3.3 \pm \begin{smallmatrix} 0.4 \\ 0.2 \end{smallmatrix}$	1.8 ± 0.3	28 ± 2.0	0.42 ± 0.05	
RM0204	RM0204S	$3.3 \pm \begin{smallmatrix} 0.7 \\ 0.2 \end{smallmatrix}$	1.8 ± 0.3	28 ± 2.0	0.42 ± 0.05	
RM0207	RM0207S	6.3 ± 0.5	2.3 ± 0.3	28 ± 2.0	0.56 ± 0.05	
RM0309	RM0309S	9.0 ± 0.5	3.2 ± 0.5	26 ± 2.0	0.65 ± 0.05	
RM0412	RM0412S	11.5 ± 1.0	4.5 ± 0.5	35 ± 2.0	0.78 ± 0.05	
RM0516	RM0516S	15.5 ± 1.0	5.5 ± 0.5	32 ± 2.0	0.78 ± 0.05	

● ELECTRICAL CHARACTERISTICS

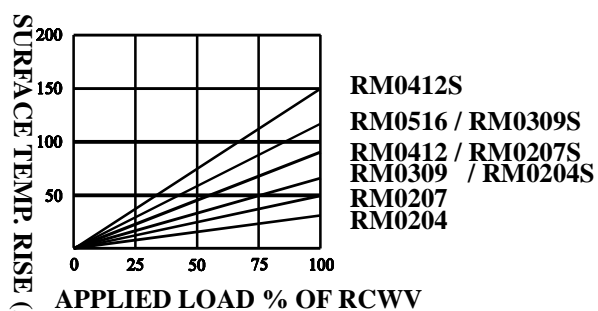
Power rating at 70°C	0.125W	0.4W	0.25W	0.6W	0.5W	1W	1W	2W	2W	3W
STYLE	RM0204	RM0204S	RM0207	RM0207S	RM0309	RM0309S	RM0412	RM0412S	RM0516	RM0516S
Operating Temp. Range	-55°C to +155°C									
Max. Working Voltage	200V	250V	250V	300V	350V	400V	450V	500V	500V	500V
Max. Overload Voltage	400V	400V	500V	600V	700V	800V	1000V	1000V	1000V	1000V
Dielectric Withstanding volt.	300V	400V	500V	500V	500V	700V	1000V	1000V	1000V	1000V
TEMP. COEFFICIENT	±15ppm/°C , ±25ppm/°C , ±50ppm/°C , ±100ppm/°C									
Value Range. ±1%/±0.5%	1Ω~10MΩ					E96 series				
Value Range. ±0.25%/±0.1%	50Ω~300KΩ					E192 series				

☆ Value Range for standard resistance , below or over this resistance on request.

● POWER GRAPH



● HOT-SPOT TEMPERATURE



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● ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	APPRAISE
SHORT TIME OVERLOAD	JIS-C-5202 5.5 2.5 times RCWV for 5 seconds	±(0.25%+0.05 Ω)
TEMPERATURE COEFFICIENT(T.C.R.)	Resistance value at room Temperature and room Temperature+100℃	By Type
DIELECTRIC WITHSTANDING VOLTAGE	JIS-C5202 5.7 In V-Block for 60 seconds	By Type
PULSE OVERLOAD	JIS-C5202 5.8 4 times RCWV for10000cycles(1sec.on , 25secs.off)	±(1.0%+0.05 Ω)
INSULATION RESISTANCE	JIS-C5202 5.6 In V-Block	> 10000MΩ
LOAD LIFE	JIS-C5202 7.10 70℃ at RCWV for1000hrs.(1.5hrs. on , 0.5hrs.off)	±(1.5%+0.05 Ω) OVER 1MΩ±(2.5%+0.05 Ω)
LOAD LIFE IN HUMIDITY	JIS-C5202 7.9 40±2℃ 90~95%RH at RCWV for1000hrs. (1.5hrs. on , 0.5hrs.off)	±(1.5%+0.05 Ω) OVER 1MΩ±(2.5%+0.05 Ω)
SOLDER ABILITY	JIS-C5202 6.5 250±10℃ for 3±0.5 seconds	90% min. coverage
RESISTANCE TO SOLVENT	JIS-C5202 6.9 Trichroethane for 1 min. with ultrasonic	No deterioration of coatings and markings
TERMINAL STRENGTH	Direct load for 10 sec. In the direction off the terminal leads.	Tensile: ≥ 2.5kg

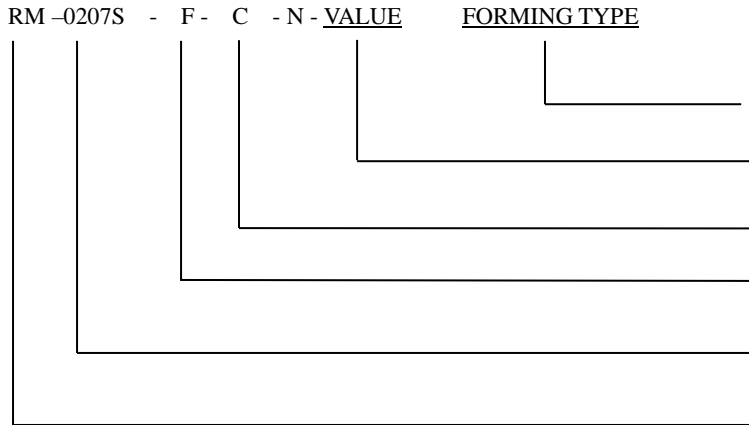
Rated continuous Working Voltage (RCWV) = $\sqrt{POWER.RATING. * RESISTANCE.VALUE}$

● Resistor body color

1. Normal size----- Blue
2. Small size----- Blue

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● **PART NUMBER:**



T/B = TAPE IN BOX

RESISTANCE

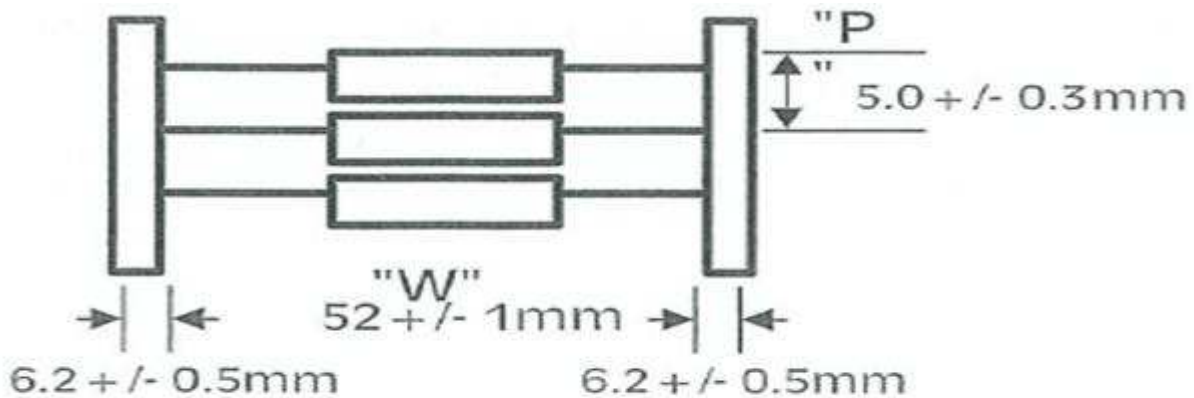
TEMP. COEFF: C = $\pm 50\text{ppm}/^\circ\text{C}$, Z = $\pm 25\text{ppm}/^\circ\text{C}$

RES. TOLERANCE: $\pm 1\%/\pm 0.5\%/\pm 0.25\%/\pm 0.1\%$ = F/D/C/B

DIN SIZE, BODY SIZE

METAL FILM RESISTOR

● **TAPE DIMENSION OF RESISTOR:**



Tape Dimension