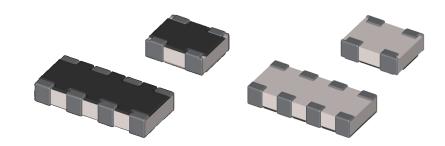


Flat Type Chip Array Resistors (RF, RM series)

Features

- Save SMD surface area
- Save SMD cost
- Inverted Type (Reduce the open circuit)
- Flat Terminal Type
- RoHS Compliant.



Part Number System

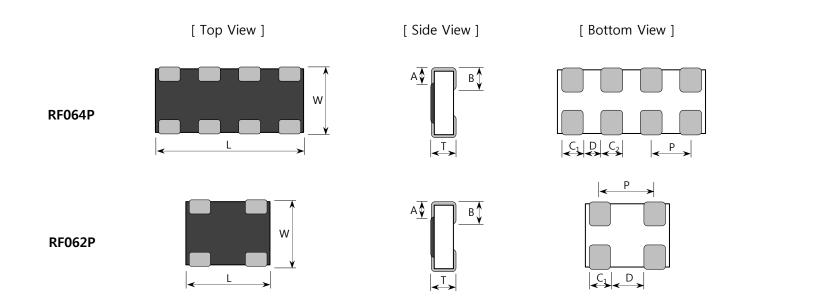
	RM	06		4P			J	150			CS	
	Туре		Size	#	# of Resistors		Tolerance	Resistance Value		Pa	cking Type	
RF	Flat Array	06	0603	2P	2 pieces		J ±5%	3-0	digit coding	CS	7" reel	
RM	Inverted Array		(0201)		4 pieces		* Jumper : 'J'	(E-24 series)		ES	10" reel	
						-					1.0.0	

* Jumper : '000'

Packing Type							
CS	7" reel						
ES	10" reel						
AS	13" reel						



Structure and Dimensions

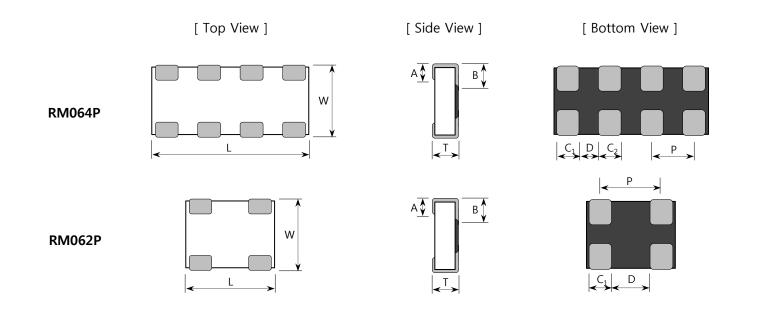


[Unit : mm]

Size(mil)	L	W	т	А	В	C 1	C2	D	Р	Unit Weight
RF062P(0302)	0.80±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.25±0.10	-	min 0.1	0.50±0.05	0.3mg
RF064P(0502)	1.40±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.25±0.10	0.25±0.10	min 0.1	0.40±0.05	0.5mg



Structure and Dimensions



[Unit : mm]

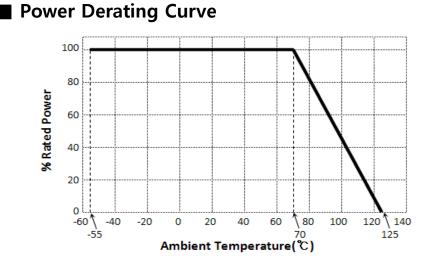
ТҮРЕ	L	W	т	А	В	C 1	C2	D	Р	Unit Weight
RM062P(0302)	0.80±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.20±0.10	_	min 0.1	0.50±0.05	0.3mg
RM064P(0502)	1.40±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.20±0.10	0.20±0.10	min 0.1	0.40±0.05	0.5mg



Application Characteristics

Туре	Size (inch)	Rated Power [W]	Rated Voltage [V]	Max Working Voltage [V]	Tolerance [%]	Resistance Range [Ω]	T.C.R [ppm/°C]	Working Temp. [℃]	Moisture Level
062P	0302	1/32	$\sqrt{P \times R}$	12.5	- //				
064P	0502	1/32	P : Rated Power(W) R : Resistance(Ω)	12.5	±5(J)	10 ~ 1M	±200	-55 ~ 125	Level 1

• Please contact our sales representatives or engineers for other specifications



Jumper Ratings

ТҮРЕ	Rated Current (A)	Max Overload Current (A)		
062P, 064P	0.5	1		

Rated Voltage

$$V = \sqrt{\mathbf{P} \times \mathbf{R}}$$

 $\begin{array}{l} V : Rated \ Voltage \ (V) \\ P : Rated \ Power \ (W) \\ R : Resistance \ Value \ (\Omega) \end{array}$

Rated Voltage

1. The rated voltage for resistor can be a DC continuous working voltage or

AC(rms) voltage in commercial line frequency wave form at rated power. It can be expressed as below. $E = \sqrt{P \times R}$ E : Rated Voltage(V) P : Rated Power(W) R : Nominal Resistance(Ω) If the value calculated by the equation exceeds Max working Voltage, the rated voltage is limited

to max working voltage. In other words, the lower value is the rated voltage.

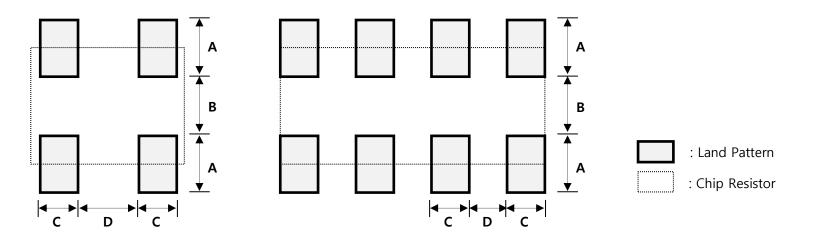
ex) For RC1608 Series [P=0.1(W), Max working voltage = 50(V)]					
1) The rated voltage, when R=1K Ω	2) The rated voltage, when R=100K Ω				
$E = \sqrt{0.1 \times 1000} = 10(V)$	$E = \sqrt{0.1 \times 100000} = 100(V)$				
Value is lower than Max working voltage, therefore $E = 10(V)$	Value is higher than Max working voltage, therefore $E = 50(V)$				

- 2. When the rated voltage is applied to the resistor, check the ambient temperature and decrease the lower according to the power derating curve.
- 3. If higher voltage than rated voltage, the reliability condition and performance cannot be guaranteed.

* If pulse wave is applied, the maximum pulse power should be below the rated voltage.



Standard Soldering Pad Dimensions



[Unit : mm]

Size(mil)	Reflow Soldering								
Dimension	А	В	2A + B	с	D				
062P	0.3	0.3	0.9	0.2	0.3				
064P	0.3	0.3	0.9	0.2	0.2				



Performance Characteristics

ITEM	Requirements Specific	ation	Test Conditions		
	Resistors	Jumpers	(JIS C 5201-1)		
Resistance	Within the specified tolerance	Max 50mΩ	JIS C 5201-1 4.5		
Temperature Characteristic	Within the specified T.C.R	Max 50mΩ	JIS C 5201-1 4.8 +20℃ → -55℃ / +20℃ → +125℃		
Short time Overload	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.13 Rated Voltage×2.5, 5sec		
Solderability	Immersed over 95%	ó	JIS C 5201-1 4.17 Rosin Ethanol (25%WT) 245+5/-0℃, 2±0.5 sec		
Resistance to Solder Heat	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.18 260±5℃, 10±1 sec		
Temperature Cycle	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.19 -55℃ ↔ +125℃, 100 cycle		
Moisture Resistance	$\Delta R < \pm 3\% \pm 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.24 40±2℃, 90~95%RH, 1000 ⁺⁴⁸ hours		
Load Life	$\Delta R < \pm 3\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.25 Rated Voltage, 70±2°C, 1000 ⁺⁴⁸ hours 90mins ON, 30mins OFF		
High Temp. Exposure	$\Delta R < \pm 3\% \pm 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.23 125±2℃, 1000 ⁺⁴⁸ hours		

 \times The reliability test condition can be replaced by the corresponding accelerated test condition.



A Product specifications included in the specifications are effective as of January 04, 2019.

Please be advised that they are standard product specifications for reference only.

We may change, modify or discontinue the product specifications without notice at any time.

- So, you need to approve the product specifications before placing an order.
- Should you have any question regarding the product specifications,
- please contact our sales personnel or application engineers.