



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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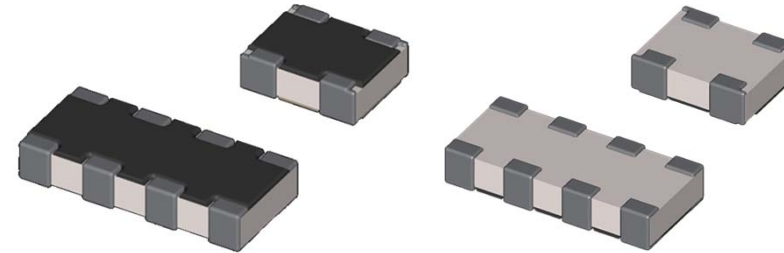
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Flat Type Chip Array Resistors (RF, RM series)

## ■ Features

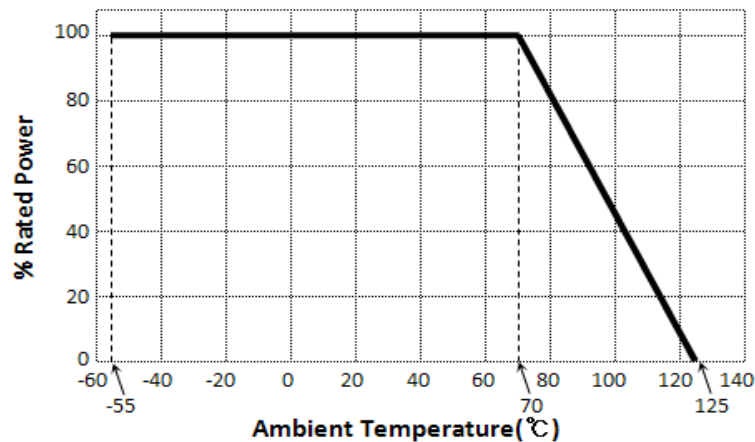
- Save SMD surface area
- Save SMD cost
- Inverted Type (Reduce the open circuit)
- Flat Terminal Type
- RoHS Compliant.



## ■ Part Number System

RM		06		4P		J		150		CS	
Type		Size		# of Resistors		Tolerance		Resistance Value		Packing Type	
RF	Flat Array	06	0603 (0201)	2P	2 pieces	F	±1%	3-digit coding (E-24 series)		CS	7" reel
RM	Inverted Array			4P	4 pieces	J	±5%	* Jumper : '000'		ES	10" reel
								* Jumper : 'J'		AS	13" reel

## ■ Power Derating Curve



## ■ Jumper Ratings

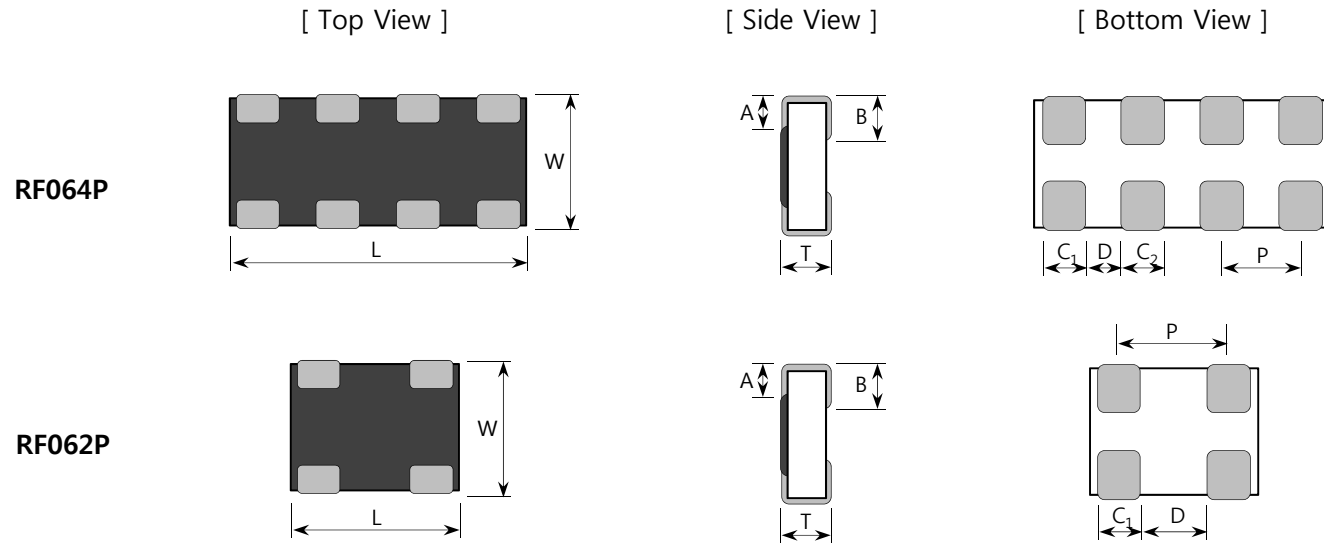
TYPE	Rated Current (A)	Max Overload Current (A)
062P, 064P	0.5	1

## ■ Rated Voltage

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

V : Rated Voltage (V)  
 P : Rated Power (W)  
 R : Resistance Value (Ω)

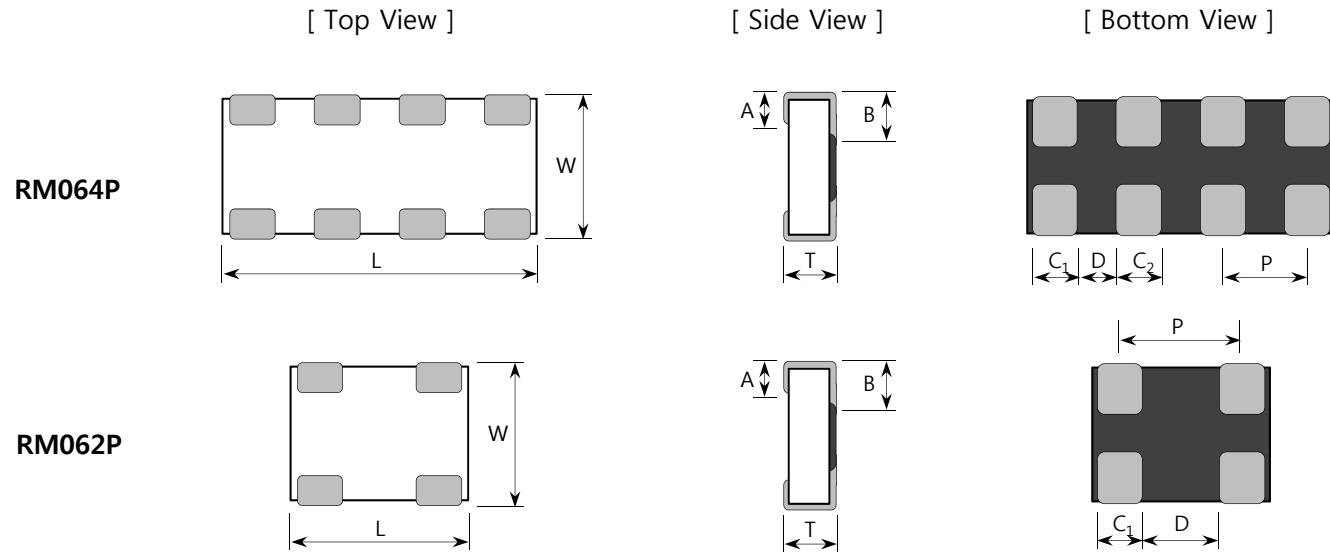
## ■ Structure and Dimensions



[ Unit : mm ]

Size(mil)	L	W	T	A	B	C <sub>1</sub>	C <sub>2</sub>	D	P	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 ]

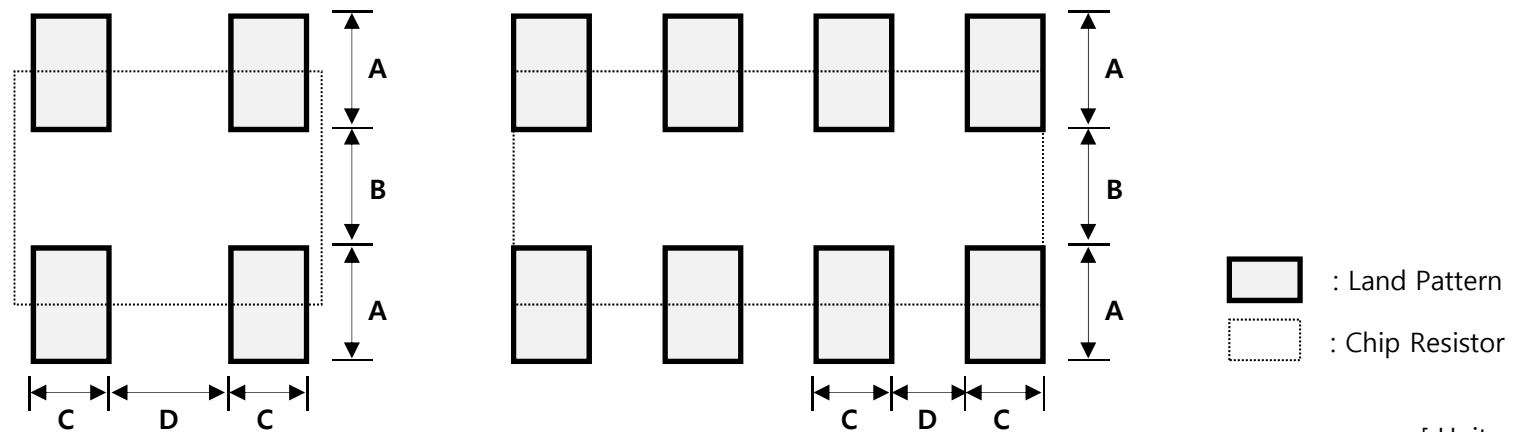
TYPE	L	W	T	A	B	C1	C2	D	P	Unit Weight
RM062P(0302)	0.80±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.20±0.10	-	min 0.1	0.50±0.05	0.3mg
RM064P(0502)	1.40±0.05	0.60±0.05	0.23±0.10	0.15±0.10	0.20±0.10	0.20±0.10	0.20±0.10	min 0.1	0.40±0.05	0.5mg

### Application Characteristics

Type	Size (inch)	Rated Power [W]	Rated Voltage [V]	Max Working Voltage [V]	Tolerance [%]	Resistance Range [ $\Omega$ ]	T.C.R [ppm/ $^{\circ}$ C]	Working Temp. [ $^{\circ}$ C]	Moisture Level
062P	0302	1/32	$\sqrt{P \times R}$ P : Rated Power(W) R : Resistance( $\Omega$ )	12.5	$\pm 1$ (F) $\pm 2$ (G) $\pm 5$ (J)	10 ~ 1M	$\pm 200$	-55 ~ 125	Level 1
064P	0502	1/32 1/10(Package)		12.5					

• Please contact our sales representatives or engineers for other specifications

### Standard Soldering Pad Dimensions



Size(mil)	Reflow Soldering				
Dimension	A	B	2A + B	C	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 Specification		Test Conditions (JIS C 5201-1)
	Resistors	Jumpers	
<b>Resistance</b>	Within the specified tolerance	Max 50mΩ	JIS C 5201-1 4.5
<b>Temperature Characteristic</b>	Within the specified T.C.R	Max 50mΩ	JIS C 5201-1 4.8 +20°C → -55°C / +20°C → +125°C
<b>Short time Overload</b>	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.13 Rated Voltage×2.5, 5sec
<b>Solderability</b>	Immersed over 95%		JIS C 5201-1 4.17 Rosin Ethanol (25%WT) 245+5/-0°C, 2±0.5 sec
<b>Resistance to Solder Heat</b>	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.18 260±5°C, 10±1 sec
<b>Temperature Cycle</b>	$\Delta R < \pm 1\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.19 -55°C ↔ +125°C, 100 cycle
<b>Moisture Resistance</b>	$\Delta R < \pm 3\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.24 40±2°C, 90~95%RH, 1000 <sup>+48</sup> hours
<b>Load Life</b>	$\Delta R < \pm 3\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.25 Rated Voltage, 70±2°C, 1000 <sup>+48</sup> hours 90mins ON, 30mins OFF
<b>High Temp. Exposure</b>	$\Delta R < \pm 3\% + 0.1\Omega$	Max 50mΩ	JIS C 5201-1 4.25.3 125±2°C, 1000 <sup>+48</sup> hours

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

 Product specifications included in the specifications are effective as of March 01, 2015.

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.

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