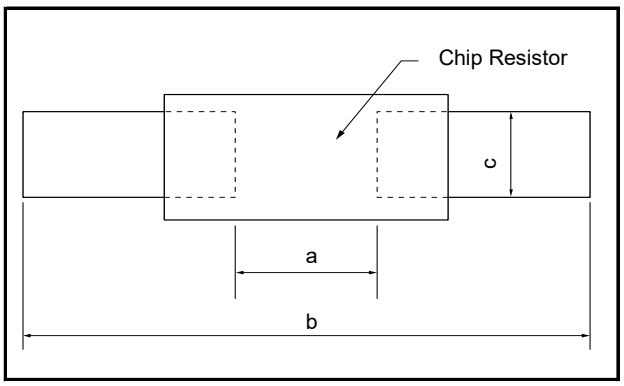
Recommended land pattern

● An example of a land pattern for the rectangular type is shown below.

<Ex.>



High temperature type (ERJH)
High precision type (ERA)
Current sensing type (ERJ*L/B/C, ERJ*R, ERJL)
Small & high power type (ERJP, ERJT)
Anti-sulfurated type (ERJS, ERJU)
General purpose type (ERJ)
Wide terminal type (ERJA/B/Ds)

Unit : mm

Size mm/inch	Dimensions		
	a	b	c
0402/01005	0.15 to 0.20	0.5 to 0.7	0.20 to 0.25
0603/0201	0.3 to 0.4	0.8 to 0.9	0.25 to 0.35
1005/0402	0.5 to 0.6	1.4 to 1.6	0.4 to 0.6
1608/0603	0.7 to 0.9	2.0 to 2.2	0.8 to 1.0
2012/0805	1.0 to 1.4	3.2 to 3.8	0.9 to 1.4
3216/1206	2.0 to 2.4	4.4 to 5.0	1.2 to 1.8
3225/1210	2.0 to 2.4	4.4 to 5.0	1.8 to 2.8
4532/1812	3.3 to 3.7	5.7 to 6.5	2.3 to 3.5
5025/2010	3.6 to 4.0	6.2 to 7.0	1.8 to 2.8
6432/2512	5.0 to 5.4	7.6 to 8.6	2.3 to 3.5
6432/2512*	3.6 to 4.0	7.6 to 8.6	2.3 to 3.5

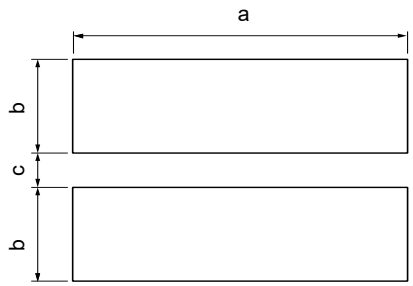
* ERJL1W

High power (double-sided resistive elements structure) type

Part No.	Size (inch)	Dimensions		
		a	b	c
ERJ2LW/2BW	1005 (0402)	0.52	1.4 to 1.6	0.4 to 0.6
ERJ3LW/3BW	1608 (0603)	0.5 to 0.8	2.5 to 2.7	0.9 to 1.1
ERJ6LW	2012 (0805)	0.6 to 0.8	3.2 to 3.8	1.1 to 1.4
ERJ6BW		0.9	3.2 to 3.8	1.1 to 1.4
ERJ6CW (10 to 13 mΩ)		0.7 to 0.9	3.2 to 3.8	1.1 to 1.4
ERJ6CW (15 to 30 mΩ)		0.9 to 1.1	3.2 to 3.8	1.1 to 1.4
ERJ8BW	3216 (1206)	1.2	4.4 to 5.0	1.3 to 1.8
ERJ8CW (10 to 16 mΩ)				
ERJ8CW (18 to 50 mΩ)		2.0 to 2.6	4.4 to 5.0	1.2 to 1.8

Unit : mm

● An example of a land pattern for high power chip resistors / Wide terminal type is shown below.



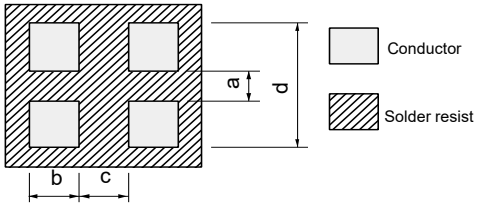
Unit : mm

Part No.	Dimensions		
	a	b	c
ERJA1	6.4	1.70	0.60
ERJB1 ERJC1*1 ERJD1*2	5.0	1.30	0.75
ERJB2 ERJD2*2	3.2	0.95	0.70
ERJB3	2.0	0.80	0.60

*1: Anti-Sulfurated High power chip resistors / Wide terminal type
*2: Low TCR High power chip resistors / Wide terminal type

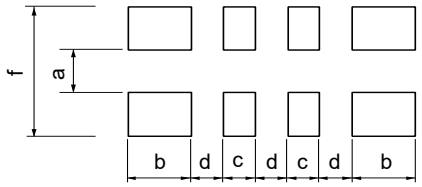
Recommended land pattern

● An example of a land pattern for Chip Resistor Array, Anti-Sulfurated Chip Resistor Array and Chip Attenuator is shown below.



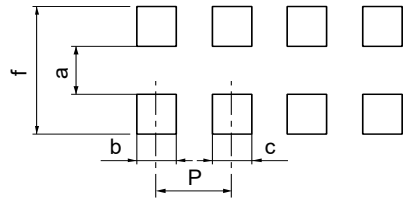
Unit : mm

Part No.	Dimensions			
	a	b	c	d
EXB14V EXB14A	0.30	0.30	0.30	0.80 to 0.90
EXB24V EXBU24 EXB24A	0.5	0.35 to 0.40	0.30	1.4 to 1.5



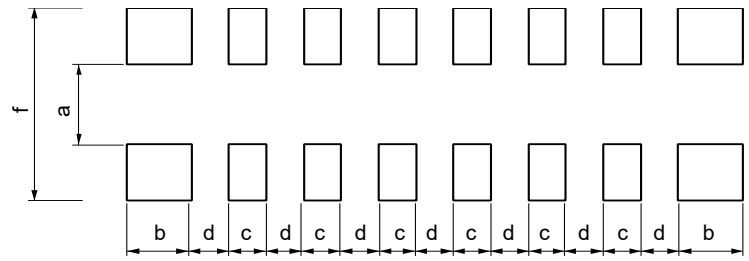
Unit : mm

Part No.	Dimensions				
	a	b	c	d	f
EXB28V EXBU28	0.40	0.525	0.25	0.25	1.40
EXBN8V	0.45 to 0.50	0.35 to 0.38	0.25	0.25	1.40 to 2.00



Unit : mm

Part No.	Dimensions				
	a	b	c	f	P
EXB18V	0.20 to 0.30	0.15 to 0.20	0.15 to 0.20	0.80 to 0.90	0.40
EXBV4V EXBV8V	0.7 to 0.9	0.4 to 0.45	0.4 to 0.45	2 to 2.4	0.80
EXB34V EXB38V EXBU34 EXBU38	0.7 to 0.9	0.4 to 0.5	0.4 to 0.5	2.2 to 2.6	0.80
EXBS8V	1 to 1.2	0.5 to 0.75	0.5 to 0.75	3.2 to 3.8	1.27

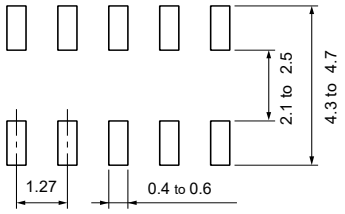
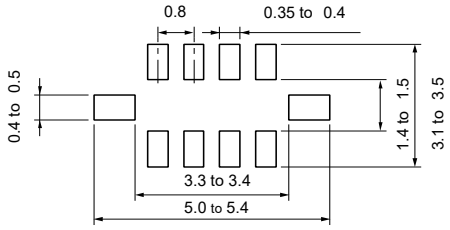
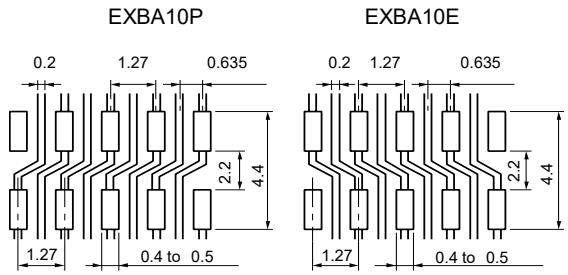
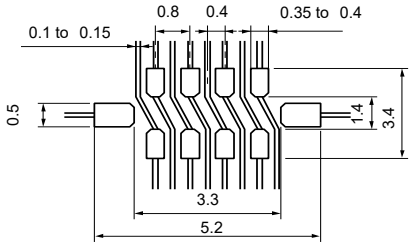


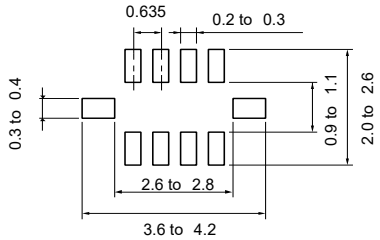
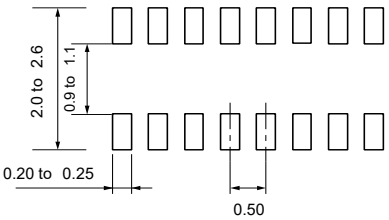
Unit : mm

Part No.	Dimensions				
	a	b	c	d	f
EXB2HV EXBU2H	1.00	0.425	0.25	0.25	2.00

Recommended land pattern

- An example of a land pattern for Chip Resistor Networks is shown below.

	EXBA	EXBE
For popular pattern	Pitch 1.27 mm 	Pitch 0.8 mm 
For high density pattern✻	Pitch 0.635 mm Through-hole less 	Pitch 0.8 mm Through-hole less 

	EXBD	EXBQ
For popular pattern	Pitch 0.635 mm 	Pitch 0.5 mm 

✻ When designing high density land patterns, examine the reliability of isolation among the lines and adopt the chip resistor networks.