#### **Chip Resistor Networks** Type: **EXBD:1206 EXBE:1608 EXBA:2512** 02 102 102 **EXBQ:1506** 1F-D 1140 154 Features • High density placing for digital signal circuits · Bussed 8 or 15 resistors for pull up/down circuits

- EXBD: 3.2 mm × 1.6 mm × 0.55 mm, 0.635 mm pitch
- EXBE: 4.0 mm × 2.1 mm × 0.55 mm, 0.8 mm pitch
- 6.4 mm × 3.1 mm × 0.55 mm, 1.27 mm pitch EXBA:
- EXBQ: 3.8 mm × 1.6 mm × 0.45 mm, 0.5 mm pitch
- · Available direct placing on the bus line by means of half pitch spacing without through-holes on PWB ("High density placing" is shown below)
- High speed mounting using conventional placing machine
- Reference Standard…IEC 60115-9, JIS C 5201-9, EIAJ RC-2130
- RoHS compliant

<High density placing>



Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions Please see Data Files

### Explanation of Part Numbers



Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

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## Construction (Example : EXBD)



## Dimensions in mm (not to scale)



## Circuit Configuration

EXBD, EXBE	EXBA		EXBQ
	EXBA10P	EXBA10E	
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### Ratings

Item	Specifications				
Series	EXBD	EXBE	EXBA	EXBQ	
Resistance Range	47 Ω to 1 MΩ (E12)			100 $\Omega$ to 470 k $\Omega$ (E6 series)	
Resistance Tolerance	±5%				
Number of Terminals	10 terminals			16 terminals	
Number of Resistors	8 element			15 element	
Power Rating at 70 °C	0.05 W/element	0.063 W/element 0.02		0.025 W/element	
Limiting Element Voltage <sup>(1)</sup>	25V 5		50 V	25V	
Maximum Overload Voltage <sup>(2)</sup>	50 V		100 V	50 V	
T. C. R.	±200 × 10 <sup>-6</sup> / °C				
Category Temperature Range	–55 °C to +125 °C				

(1) Rated Continuous Working Voltage (RCWV) shall be determined from RCWV=\/Power Rating × Resistance Value, or Limiting Element Voltage listed above, whichever less.

(2) Overload (Short-time Overload) Test Voltage (SOTV) shall be determined

from SOTV=2.5  $\times$  RCWV\* or Maximum Overload Voltage listed above whichever less.

#### Power Derating Curve

For resistors operated in ambient temperature above 70 °C, power rating shall be derated in accordance with the figure on the right.



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