

Chip Resistor Networks

Type: **EXBD:1206**

EXBE:1608

EXBA:2512

EXBQ:1506

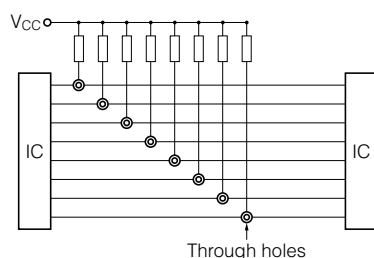


■ Features

- 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
 EXBA: 6.4 mm × 3.1 mm × 0.55 mm, 1.27 mm pitch
 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

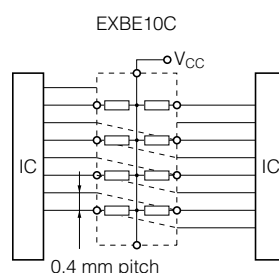
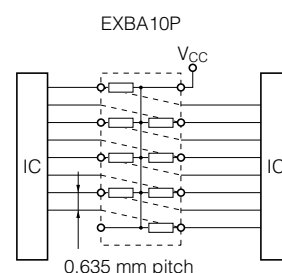
<High density placing>

Pull up resistors



No through hole

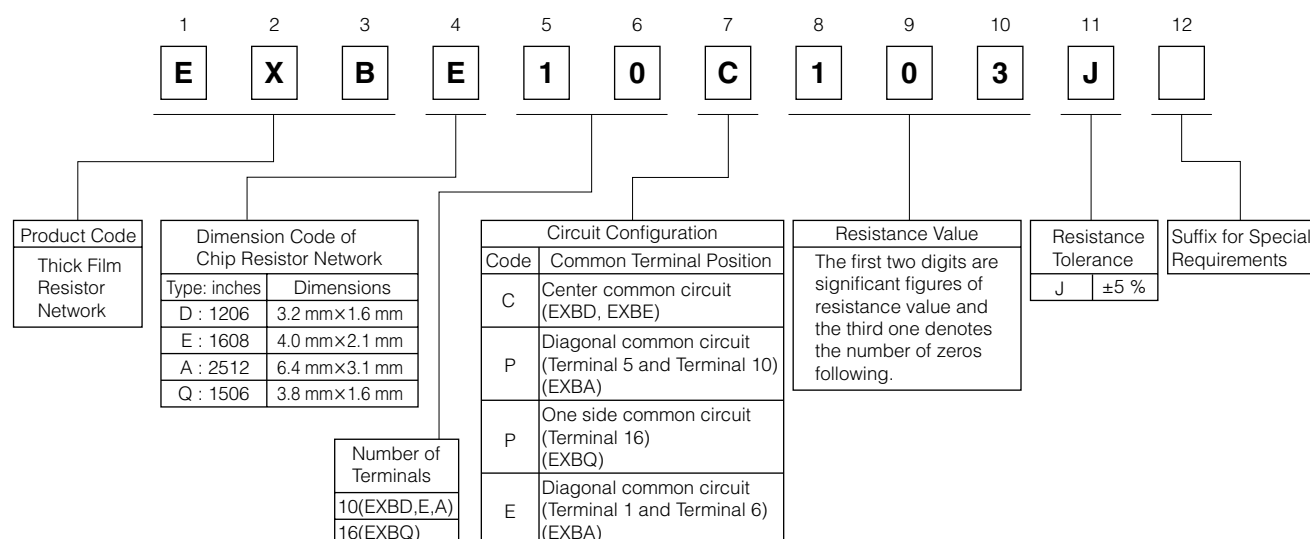
Direct placement on the bus line



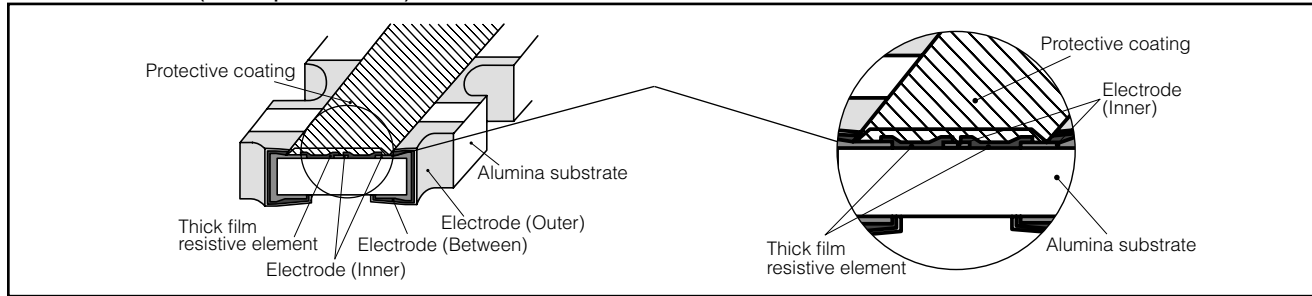
■ Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions

Please see Data Files

■ Explanation of Part Numbers



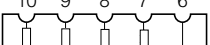
■ Construction (Example : EXBD)



■ Dimensions in mm (not to scale)

EXBD	EXBE	EXBA	EXBQ
<p>Technical drawing of EXBD component showing top and side views with dimensions.</p>	<p>Technical drawing of EXBE component showing top and side views with dimensions.</p>	<p>Technical drawing of EXBA component showing top and side views with dimensions.</p>	<p>Technical drawing of EXBQ component showing top and side views with dimensions.</p>
Mass (Weight)[1000 pcs.] : 10 g	Mass (Weight)[1000 pcs.] : 16 g	Mass (Weight)[1000 pcs.] : 40 g	Mass (Weight)[1000 pcs.] : 9 g

■ Circuit Configuration

EXBD, EXBE		EXBA		EXBQ
		<p>EXBA10P</p> 	<p>EXBA10E</p> 	

■ Ratings

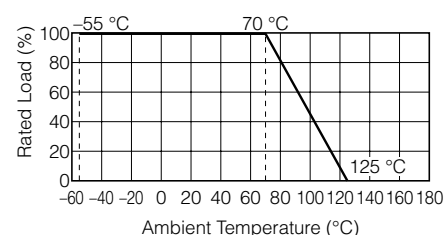
Item	Specifications			
Series	EXBD	EXBE	EXBA	EXBQ
Resistance Range	47 Ω to 1 MΩ (E12)			100 Ω to 470 kΩ (E6 series)
Resistance Tolerance	±5%			
Number of Terminals	10 terminals			16 terminals
Number of Resistors	8 element			15 element
Power Rating at 70 °C	0.05 W/element	0.063 W/element		0.025 W/element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

(1) Rated Continuous Working Voltage (RCWV) shall be determined from $RCWV = \sqrt{\text{Power Rating} \times \text{Resistance Value}}$, 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.



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.