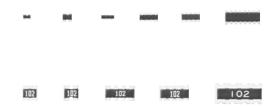


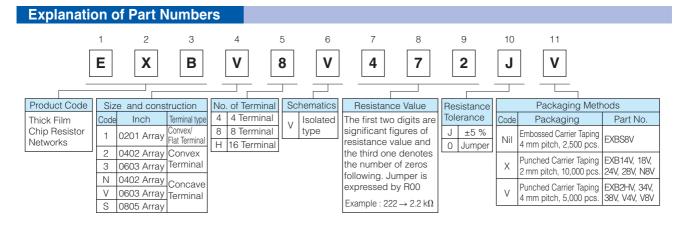
Chip Resistor Array

Type: **EXB 14V, 18V, 24V, 28V, N8V, 2HV, 34V, V4V, 38V, V8V, S8V**

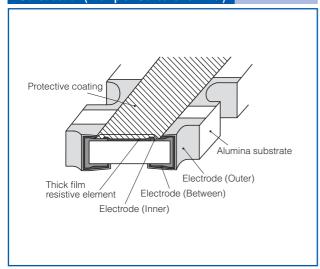


Features

- High density
 - 2 resistors in 0.8 mm \times 0.6 mm size / 0302 inch size : EXB14V 4 resistors in 1.4 mm \times 0.6 mm size / 0502 inch size : EXB18V
 - 2 resistors in 1.0 mm \times 1.0 mm size / 0404 inch size : EXB24V
 - 4 resistors in 2.0 mm × 1.0 mm size / 0804 inch size : EXB28V, EXBN8V
 - 8 resistors in 3.8 mm × 1.6 mm size / 1506 inch size : EXB2HV
 - 2 resistors in 1.6 mm × 1.6 mm size / 0606 inch size : EXB34V, EXBV4V
 - 4 resistors in 3.2 mm × 1.6 mm size / 1206 inch size : EXB38V, EXBV8V
 - 4 resistors in 5.1 mm × 2.2 mm size / 2009 inch size : EXBS8V
- Improvement of placement efficiency
 - Placement efficiency of Chip Resistor Array is two, four or eight times of the flat type chip resistor
- Reference Standard...IEC 60115-9, JIS C 5201-9, EIAJ RC-2129
- AEC-Q200 qualified (EXB2, EXB3)
- RoHS compliant
- As for Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions,
 Please see Data Files

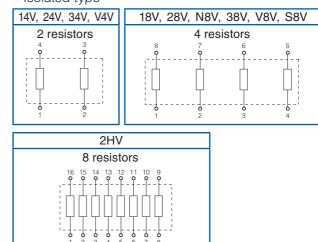


Construction (Example : Concave Terminal)



Schematics

Isolated type



Ratings

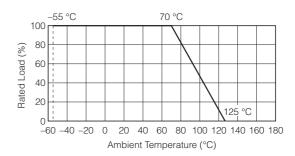
Ite	Specifications				
Resistance Range	10 Ω to 1 M Ω : E24 series				
Resistance Toleran	J: ±5 %				
	14V,24V,V4V,34V	4 terminal			
Number of Terminals	18V,28V,N8V,38V,V8V,S8V	8 terminal			
	2HV	16 terminal			
Number of Resistors	14V,24V,V4V,34V	2 element			
	18V,28V,N8V,38V,V8V,S8V	4 element			
	2HV	8 element			
	14V,N8V	0.031 W/element			
Power Rating at 70 °C	18V	0.031 W/element (0.1 W/package)			
	24V,28V,V4V,34V,V8V,38V	0.063 W/element			
	S8V	0.1 W/element			
	2HV	0.063 W/element (0.25 W/package)			

	ı	Specifications			
		14V,18V	12.5 V		
Lim	iting Element	2HV	25 V		
	Voltage ⁽¹⁾	24V,28V,N8V,38V,34V,V4V,V8V	50 V		
		S8V	100 V		
		14V,18V	25 V		
Max	mum Overload	2HV	50 V		
	Voltage (2)	24V,28V,N8V,38V,34V,V4V,V8V	100 V		
		S8V	200 V		
	Т	±200×10 ⁻⁶ /°C			
Category Ter		mperature Range	–55 °C to 125 °C		
		14V,18V	0.5 A		
ray	Rated Current	2HV,24V,28V,N8V,38V,34V,V4V,V8V	1 A		
r Ar		S8V	2 A		
Jumper Array	Maximum	14V,18V	1 A		
Jur	Overload	2HV,24V,28V,N8V,38V,34V,V4V,V8V	2 A		
	Current	S8V	4 A		

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

Power Derating Curve

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



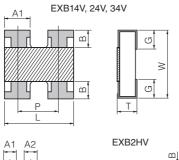
⁽²⁾ Overload (Short-time Overload) Test Voltage (SOTV) shall be determined from SOTV=2.5 × RCWV or max. Overload Voltage listed above whichever less.

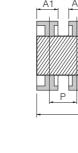
EXB28V, 38V



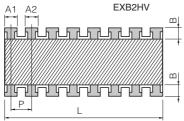
Dimensions in mm (not to scale)

(1) Convex Terminal type







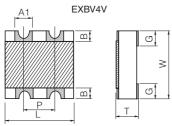


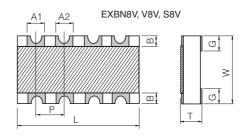
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T	

Part No.	Dimensions (mm)								
(inch size)	L	W	Т	A1	A2	В	Р	G	[g/1000 pcs.]
EXB14V (0201×2)	$0.80^{\pm0.10}$	0.60 ^{±0.10}	0.35 ^{±0.10}	0.35 ^{±0.10}	_	0.15 ^{±0.10}	(0.50)	0.15 ^{±0.10}	0.5
EXB24V (0402×2)	1.00 ^{±0.10}	1.00 ^{±0.10}	0.35 ^{±0.10}	0.40 ^{±0.10}	_	0.18 ^{±0.10}	(0.65)	0.25 ^{±0.10}	1.2
EXB28V (0402×4)	2.00 ^{±0.10}	1.00 ^{±0.10}	0.35 ^{±0.10}	0.45 ^{±0.10}	0.35 ^{±0.10}	0.20 ^{±0.10}	(0.50)	0.25 ^{±0.10}	2.0
EXB2HV (0402×8)	3.80 ^{±0.10}	1.60 ^{±0.10}	0.45 ^{±0.10}	0.35 ^{±0.10}	0.35 ^{±0.10}	0.30 ^{±0.10}	(0.50)	0.30 ^{±0.10}	9.0
EXB34V (0603×2)	1.60 ^{±0.20}	1.60 ^{±0.15}	0.50 ^{±0.10}	0.65 ^{±0.15}	_	0.30 ^{±0.20}	(0.80)	0.30 ^{±0.20}	3.5
EXB38V (0603×4)	3.20 ^{±0.20}	1.60 ^{±0.15}	0.50 ^{±0.10}	0.65 ^{±0.15}	0.45 ^{±0.15}	0.30 ^{±0.20}	(0.80)	0.35 ^{±0.20}	7.0

() Reference

(2) Concave Terminal type





Part No.	Dimensions (mm)								
(inch size)	L	W	Т	A1	A2	В	Р	G	[g/1000 pcs.]
EXBN8V (0402×4)	2.00 ^{±0.10}	1.00 ^{±0.10}	0.45 ^{±0.10}	0.30 ^{±0.10}	0.30 ^{±0.10}	0.20 ^{±0.15}	(0.50)	0.30 ^{±0.15}	3.0
EXBV4V (0603×2)	1.60+0.20	1.60+0.20	0.60 ^{±0.10}	0.60 ^{±0.10}	_	0.30 ^{±0.15}	(0.80)	0.45 ^{±0.15}	5.0
EXBV8V (0603×4)	3.20+0.20	1.60+0.20	0.60 ^{±0.10}	0.60 ^{±0.10}	0.60 ^{±0.10}	0.30 ^{±0.15}	(0.80)	0.45 ^{±0.15}	10
EXBS8V (0805×4)	5.08+0.20	2.20+0.20	0.70 ^{±0.20}	0.80 ^{±0.15}	0.80 ^{±0.15}	0.50 ^{±0.15}	(1.27)	0.55 ^{±0.15}	30

(3) Flat Terminal type

A1 A2	EXB18V	
		5
		5
P L		T

Part No. (inch size)	Dimensions (mm)								Mass (Weight)
	L	W	Т	A1	A2	В	Р	G	[g/1000 pcs.]
EXB18V (0201×4)	1.40±0.10	0.60±0.10	0.35±0.10	0.20±0.10	0.20±0.10	0.10±0.10	(0.40)	0.20±0.10	1.0

) Reference

() Reference