

Precision Fixed Metal Film Resistors, High Stability

Type: **ERNSB**

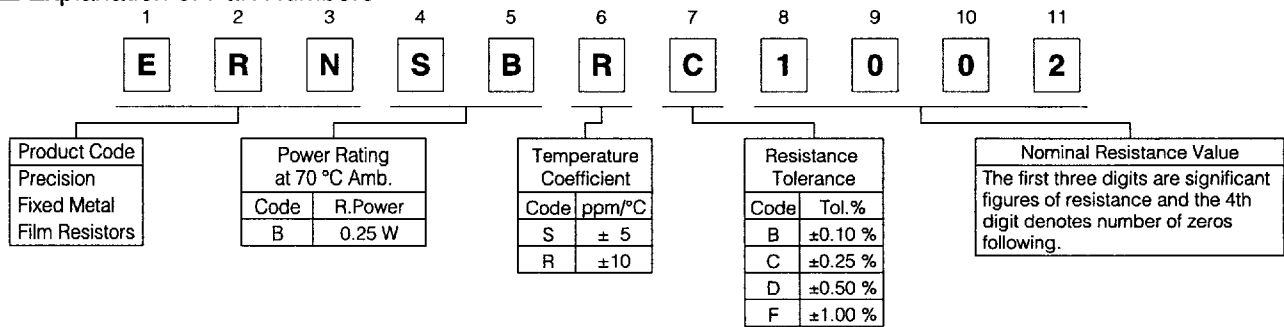
■ Features

- High Precision Type
Resistance tolerance: $\pm 0.1\%$, T.C.R.: $\pm 5 \text{ ppm}/^\circ\text{C}$
- High Stability for Long Time
Very excellent characteristics over long time for load life and humidity long life characteristics
- Small and Light Weight
Small and coating type
- Approved under the ISO-9001 system

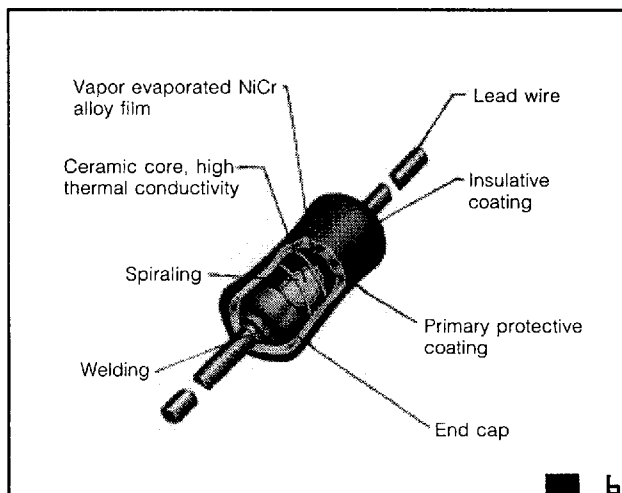
■ Recommended Applications

- A/D, D/A converters, measuring equipments
- Control units, Industrial meters, Electronic balances (for precision circuit)

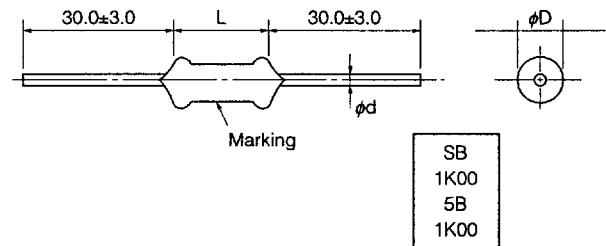
■ Explanation of Part Numbers



■ Construction



■ Dimensions in mm (not to scale)



Part No.	Dimensions (mm)		
	L	ϕD	ϕd
ERNSB	6.30 ± 0.50	2.50 ± 0.20	0.60 ± 0.05

■ Ratings

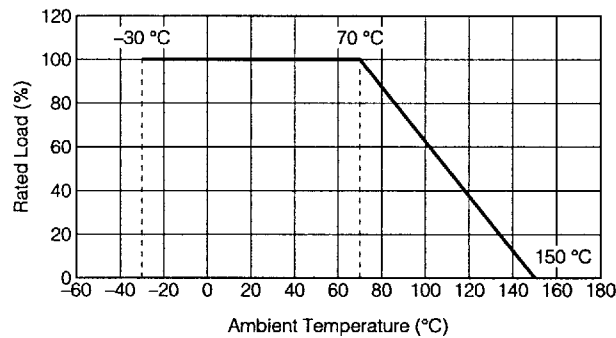
Part No.	Power Rating at 70 °C	Maximum RCWV*	Maximum Overload Voltage**	Dielectric Withstanding Voltage	T.C.R. (ppm/°C)	Resistance Tolerance (%)	Resistance Range (Ω)		Weight g/1000 pcs.
							min.	max.	
ERNSB	0.25 W	250 V	500 V	500 V	± 5 ±10	±0.10 ±0.25 ±0.5 ±1	100	150 k	219

* Rated Continuous Working Voltage (RCWV) shall be determined from $RCWV = \sqrt{\text{Power Rating} \times \text{Resistance Value}}$, or maximum RCWV listed above, whichever less.

** Short-time Overload Test Voltage (SOTV) shall be determined from $SOTV = 2.5 \times \text{Power Rating}$ or max. Overload Voltage listed above whichever less.

Power Derating Curve

For resistors operated in ambient temperatures above 70 °C, power rating shall be derated in accordance figure below.



⚠ Cautions for Safety

Refer common precautions (ER3 page) and individual cautions (ER55 page).