

Precision High Voltage Resistors

Precision High Voltage Resistor Series SSX/SOX

Power and Precision High Voltage Resistors, TC of 100ppm/°C and wide Ohmic Range (300Ω-10GΩ)

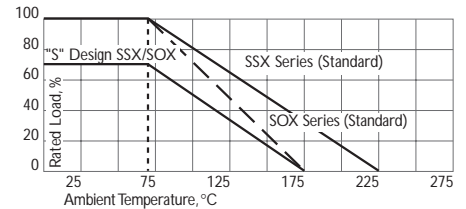
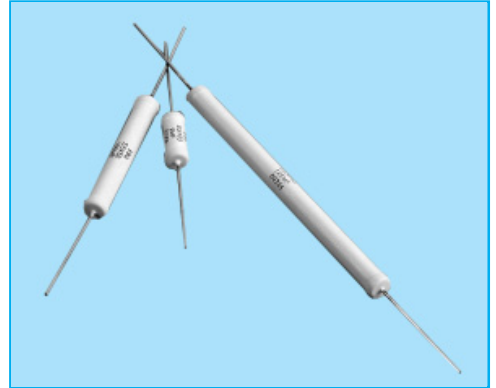
EBG offers the SSX/SOX series to meet general set of requirements at economical prices. This product is available with a silicone or epoxy coating and has a wide range of tolerances and temperature coefficients of resistance available.

A summary of the features of the SSX/SOX series are:

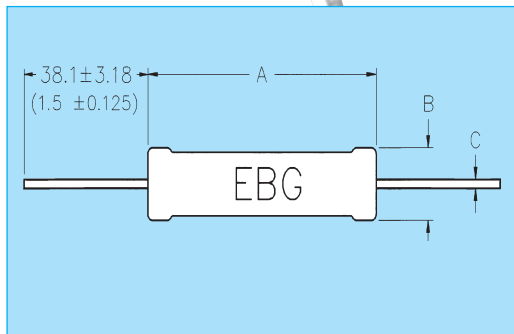
- Silicone coating for ambient temperatures up to 225°C
- Epoxy coating for excellent humidity protection available under the name SOX
- Resistance tolerances offered from ±0.1% to ±10%
- Temperature coefficients: ±100ppm/°C to ±250ppm/°C
- Standard temperature coefficient: ±100ppm/°C
- Power Ratings up to 19.4 Watts
- 16 Models with Voltage Ratings from 5 KV to 60 KV
- Load Life Stability of 0.50% per 1,000 hours
- Resistance Range from 300Ω to 10GΩ.
- Full encapsulation over the entire resistor length

Specifications:

- Resistance Tolerance: ±1%, ±2%, ±5% or ±10% (tolerance to ±0.1%, ±0.25%, ±0.5% on special order)
- Temperature Coefficient: Standard 100ppm/°C referenced to 25°C, ΔR taken at 0°C and +70°C, other TCR on request.
- Load Life: 1,000 hours at rated power at 70°C, ΔR, 0.50% max.
- Thermal Shock: MIL-Std-202, Method 107, Cond. A, ΔR 0.20% max.
- Moisture Resistance: MIL-Std-202, Method 106, ΔR, 0.40 max.
- Encapsulation: Silicone or epoxy coating over the whole element
- Lead Material: O.F.H.C. Copper, tin plated



Model No.	Wattage at 70°C	Max. Cont. Oper. KV	Max. KV "S"	Resistance		Dimensions in millimeters		
				Min. Ω	Max. Ω	A ±0.50 ±0.02	B ±0.50 ±0.02	C ±0.05 ±0.002
SOX 20	1.20	5.0	6.2	300	10G	21.30	8.60	1.00
SOX 26	1.60	7.5	9.4	450	10G	27.50	8.60	1.00
SOX 39	2.50	11.0	13.8	500	10G	40.20	8.60	1.00
SOX 52	3.40	16.0	20.0	400	10G	52.50	8.60	1.00
SOX 78	5.00	24.0	30.0	600	10G	78.70	8.60	1.00
SOX 103	6.50	32.0	40.0	800	10G	104.10	8.60	1.00
SOX 124	8.20	40.0	50.0	1M	10G	124.20	8.60	1.00
SOX 154	10.60	48.0	60.0	1M	10G	154.50	8.60	1.00
SSX 20	2.30	5.0	6.2	600	10G	20.20	8.20	1.00
SSX 26	3.90	7.5	9.4	600	10G	27.20	8.20	1.00
SSX 32	4.20	8.5	11.0	550	10G	33.00	8.20	1.00
SSX 39	4.60	11.0	13.8	500	10G	39.50	8.20	1.00
SSX 52	7.80	16.0	20.0	400	10G	52.00	8.20	1.00
SSX 78	11.70	24.0	30.0	600	10G	77.60	8.20	1.00
SSX 103	12.50	32.0	40.0	800	10G	103.20	8.20	1.00
SSX 124	15.50	40.0	50.0	1M	10G	123.70	8.20	1.00
SSX 154	19.40	48.0	60.0	1M	10G	153.70	8.20	1.00



In the above spec sheet, you will find our standard product, please contact your local manufacturing representative or call us direct to find out details of other options available regarding this style: