

## SBO SERIES - SILICON COATED RESISTORS - RADIAL TYPE

The SBO series is a range of high stability, Wire Wound Power Resistors with Non flammable Silicon Cement Coating designed for continuous power applications.

A wide range of resistance values are available in this series of Resistors.

**Features:**

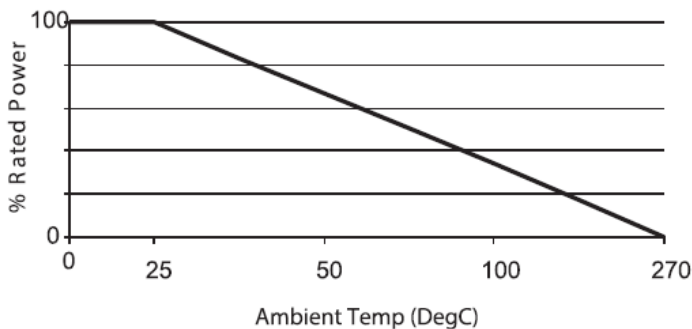
- High thermal capacity - suitable for high pulse applications.
- Good electrical stability, reliability and mechanically very rigid.
- Wide range of resistance values available.
- Mounting equipment



### ELECTRICAL SPECIFICATIONS

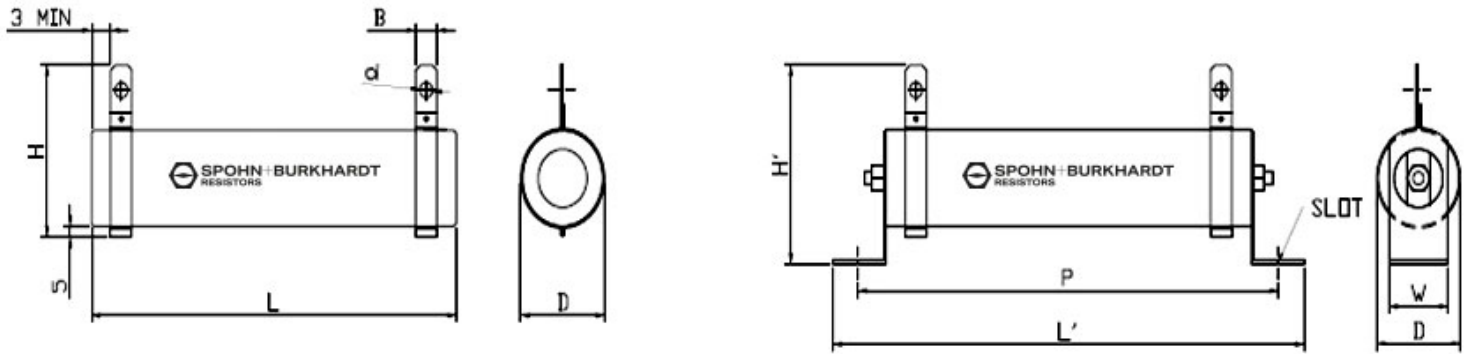
Characteristics	Condition	Compliance
Continuous Power	Rated power @25°C	<272°C temperature on surface
Tolerance	Values according to price list	±10%
Temperature Coefficient		< ± 120PPM/°C
Insulation Resistance	Dry/Normal @500V DC	>100MΩ
Change in Resistance Short term overload Load life	10 x Rated Power for 5 secs Rated wattage 1.5 Hour ON - 1.5 Hour OFF for 1000 Hours	< ± (2% + 0.05Ω) < ± (1% + 0.05Ω)
Operating Temperature	-25°C to 250°C	

### POWER DERATING CURVE



## SBO SERIES - SILICON COATED RESISTORS - RADIAL TYPE

### RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W)	Resistance Range*	L ±2	D ±2	d ±0.5	H ±2	B ±1	L' ±2	H' ±2	W ±1	P ±2	Slot
SBO25	25	1R0-100K	50	20	3.2	42	8	90	51	19	75	5x8
SBO50	50	1R0-100K	75	20	3.2	42	8	115	51	19	100	5x8
SBO75	75	1R0-100K	100	20	3.2	42	8	140	51	19	125	5x8
SBO100	100	1R0-100K	120	38	5.2	67	10	170	80	28	148	7x12
SBO150	150	1R0-100K	160	38	5.2	67	10	210	80	28	188	7x12
SBO200	200	1R0-100K	178	38	5.2	67	10	228	80	28	206	7x12
SBO300	300	1R0-25K	300	38	5.2	67	10	350	80	28	328	7x12
SBO400	400	1R0-25K	300	55	5.2	85	12	350	112	44	328	7x12
SBO500	500	1R0-25K	350	55	5.2	85	12	400	112	44	378	7x12
SBO800	800	1R0-2K5	500	55	5.2	85	12	550	112	44	528	7x12
SBO1000	1000	1R0-2K5	600	55	5.2	85	12	650	112	44	628	7x12

\* Values according to E12 series.

### ORDERING DETAILS

SBO Series - Series Model #  
 R - Resistance Value  
 K - Tolerance Code ±10%

Example: SBO100 10R K

A suitable cooling system may be required to use the full power.

*Disclaimer: Product specifications, data and dimensions are subject to change without any prior notice to improve performance, reliability and design.*

Please use our contact form for support.

**Spohn & Burkhardt GmbH & Co. KG**  
 Mauergasse 5, 89143 Blaubeuren/Germany  
 Tel.: + 49 7344 171 0, Mail: [info@spobu-resistors.com](mailto:info@spobu-resistors.com)

