

# KWK RESISTORS INDIA



## KSE SERIES - SILICON COATED EDGE WOUND RESISTORS - RADIAL TYPE

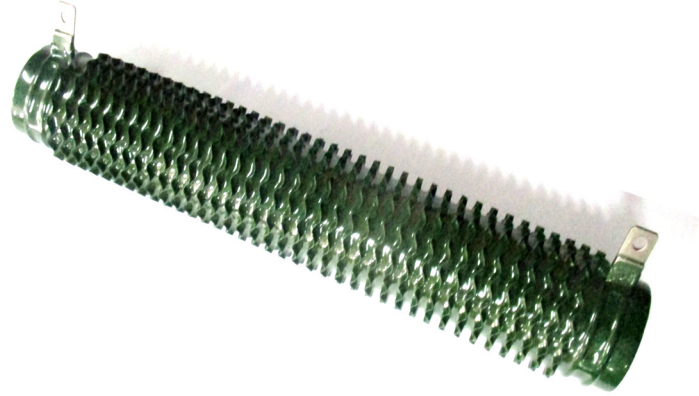
The KSE series is a range of high stability, Edge Wound Power Resistors with Non flammable Silicon Cement Coating designed for continuous power applications.

A wide range of resistance values are available in this series of Resistors. Variable type resistors are also offered in this series .

Customization on termination and mounting can be done with ease.

### Features:

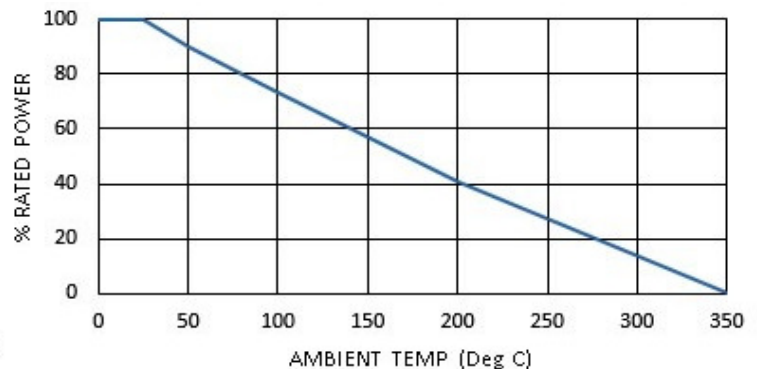
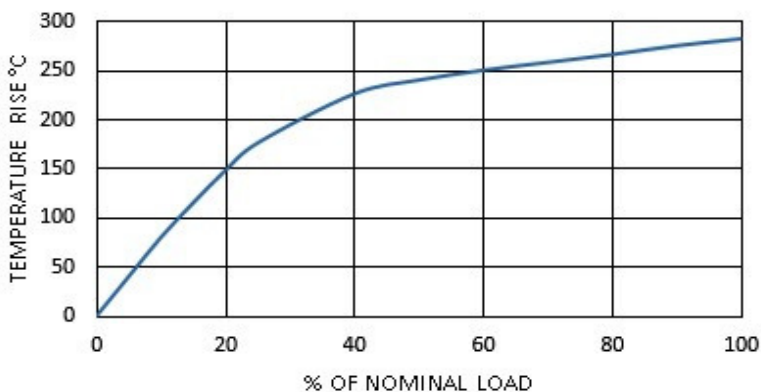
- Wide range of resistance values available.
- Fixed, Variable versions on offer.
- High thermal capacity - suitable for high pulse applications.
- Good electrical stability, reliability and mechanically very rigid.
- Custom termination & mounting arrangements possible.



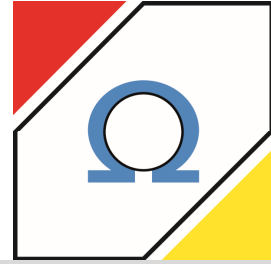
## ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Continuous Power	Rated power @25°C	280°C Temperature rise max
Tolerance	R value < 1Ω R value > 1Ω	±5% & ±10% ±1%, ±2%, ±5% & ±10%
Temperature Coefficient		± 40PPM/°C
Insulation Resistance	Dry/Normal @500V DC	>100MΩ
Change in Resistance Short term overload Load life	10 x Rated voltage for 5 secs Rated wattage 1.5 Hour ON - 1.5 Hour OFF for 1000 Hours	< ± (2% + 0.05Ω) < ± (1% + 0.05Ω)
Dielectric Voltage	1kV for 1 minute	No Breakdown
Operating Temperature	-55°C to 200°C	

## TEMPERATURE RISE AND POWER DERATING CURVE

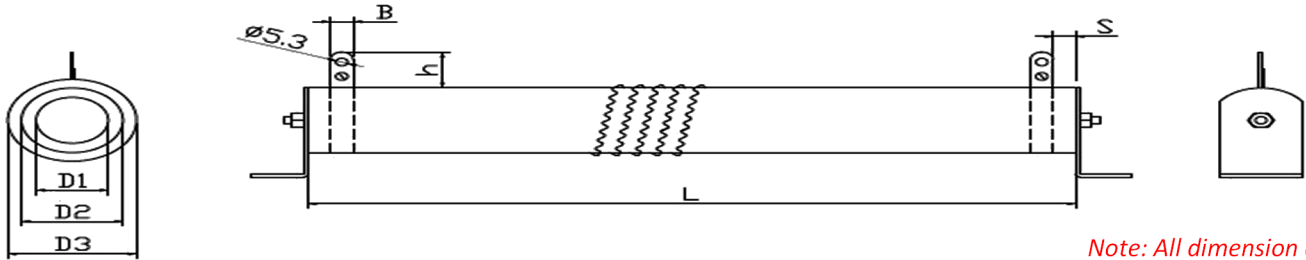


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### RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W) @25°C	Resistance Range	L ±2	D1 ±0.5	D2 ±2	D3 max	h ±2	B ±2	S min
KSE35	35	0.05Ω-3Ω	50	8	14	26	6	15	6
KSE50	50	0.08Ω-4Ω	75	8	14	26	6	15	6
KSE75	75	0.12Ω-6Ω	100	8	14	26	6	15	6
KSE90	90	0.15Ω-7.5Ω	90	12	19	31	6	15	6
KSE105	105	0.16Ω-8.2Ω	100	12	19	31	6	15	6
KSE110	110	0.18Ω-9.1Ω	115	12	19	31	6	15	6
KSE140	140	0.08Ω-5.6Ω	100	19	30	42	8	20	8
KSE165	165	0.25Ω-13Ω	165	12	19	31	6	15	6
KSE220	220	0.15Ω-9.1Ω	150	19	30	42	8	20	8
KSE240	240	0.15Ω-10Ω	165	19	30	42	8	20	8
KSE275	275	0.18Ω-11Ω	200	19	30	42	8	20	8
KSE300	300	0.18Ω-12Ω	250	19	30	42	8	20	8
KSE325	325	0.20Ω-13Ω	200	19	37	49	10	25	10
KSE375	375	0.24Ω-15Ω	300	19	30	42	8	20	8
KSE500	500	0.30Ω-20Ω	300	19	37	49	10	25	10
KSE600	600	0.15Ω-12Ω	300	32	45	57	10	25	10
KSE800	800	0.22Ω-16Ω	355	35	50	62	10	25	10
KSE1000	1000	0.27Ω-20Ω	355	35	60	72	10	25	10
KSE1250	1250	0.33Ω-25Ω	355	35	50	62	10	25	10
KSE1500	1500	0.42Ω-30Ω	355	35	60	72	10	25	10

### ORDERING DETAILS

#### KSEseries R T Y

- KSEseries - Series Model #
- R - Resistance Value
- T - Tolerance Code (±1% - F, ±2% - G, ±5% - J, ±10% - K)
- M - With Mounting
- Y - Type of Termination (D- Solderable, S - Stainless Steel, F - Faston 6.8 Terminal)

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

Example: KSE10510RJMD - KSE105 10R ±5% with Mounting and Solderable Terminals

Please feel free to contact us for any assistance required to choose the right solution. We are also able to design Custom Resistive Solutions.

## KWK Resistors India Pvt. Ltd.

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