

KWK RESISTORS INDIA

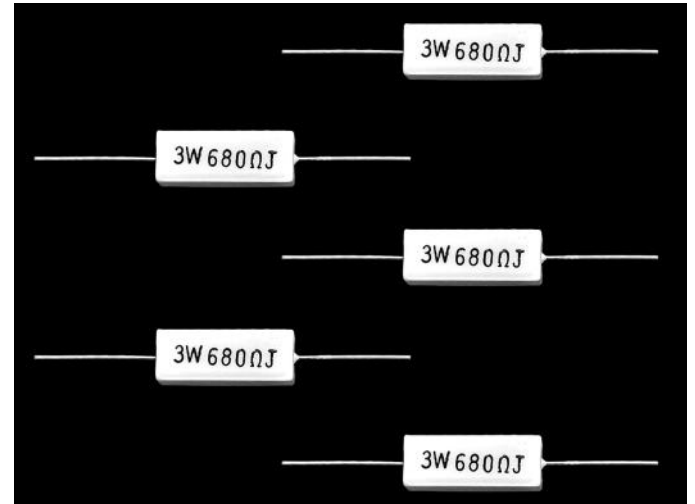


KCA SERIES - CERAMIC ENCASED RESISTORS - AXIAL TYPE

The KCA series are non flammable Ceramic Encased Resistors. The resistors are sealed in ceramic boats with special cement. This process make the resistors highly resistant to heat, moisture and have excellent mechanical strength, making them most suitable for various electronic circuits.

Features:

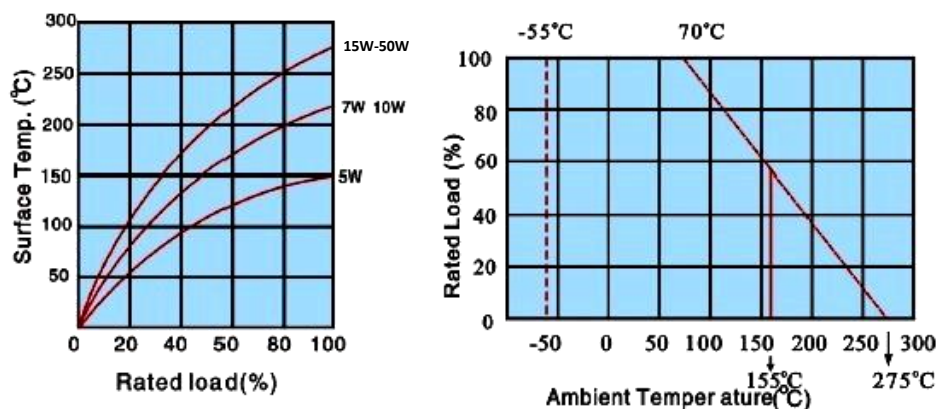
- Flameproof Construction.
- High Safety.
- Excellent electrical and mechanical stability.
- High resistance to heat and moisture.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Tolerance		±1%, ±5%
Temperature Coefficient	-55°C to +155°C	±300PPM/°C
Insulation Resistance	500V DC	>1000MΩ
Change in resistance		
Short time overload	10 x rated wattage for 5sec	± 2%
Load Life	70°C on-off cycle 1000hrs	± 5%
Temperature Cycling	-30°C to +85°C for 5 cycles	±1%
Moisture Load Life	40°C 95% RH on-off cycle 1000hrs	± 5%
Rated Load	Rated Voltage for 30 minutes	± 1%
Incombustibility	16 x rated wattage for 5minutes	

RATED LOAD vs SURFACE TEMPERATURE AND DERATING CURVE

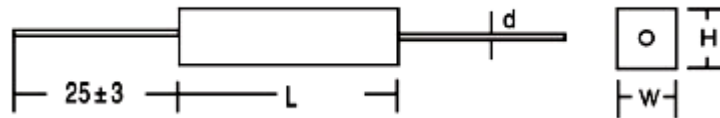


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RESISTANCE RANGE AND DIMENSIONAL DETAILS



Series	Rated Power (W)	Max Working Voltage (V)	Resistance Range	W ± 1.0	H ± 1.0	L ± 1.5	d ± 0.1
KCA2	2	150	0.1Ω - 82Ω	7.0	7.0	18.0	0.7
KCA3	3	350	0.1Ω - 33KΩ	8.0	8.0	22.0	0.7
KCA5	5	350	0.1Ω - 50KΩ	10.0	9.0	22.0	0.7
KCA7	7	350	0.1Ω - 50KΩ	10.0	9.0	35.0	0.7
KCA10	10	750	0.1Ω - 100KΩ	10.0	9.0	48.0	0.7
KCA15	15	1000	0.5Ω - 150KΩ	12.5	11.5	48.0	0.7
KCA20	20	1000	0.5Ω - 150KΩ	14.0	12.5	60.0	0.7
KCA25	25	1000	0.5Ω - 150KΩ	14.0	12.5	60.0	0.7
KCA30	30	1000	0.5Ω - 1KΩ	19.0	19.0	75.0	0.7
KCA40	40	1000	0.5Ω - 1KΩ	19.0	19.0	90.0	0.7
KCA50	50	1000	0.5Ω - 1KΩ	19.0	19.0	90.0	0.7

Note: All dimension are in mm.

Depending on the resistance value, we could use Wire wound or MOR elements, please contact us for more details

ORDERING DETAILS

KCAseries R T

KCAseries - Series Model #
 R - Resistance Value (e.g.: 0R1=0.1Ω, 1R2=1.2Ω, 120R=120Ω)
 T - Tolerance Code (±1% - F, ±5% - J)

Example: KCA2 1R J - KCA 2W 1Ω 5%

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

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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