

# KWK RESISTORS INDIA

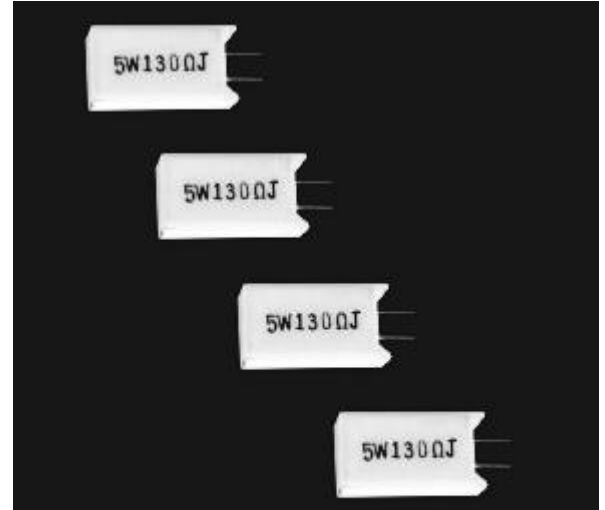


## KCV SERIES - CERAMIC ENCASED RESISTORS - VERTICAL MOUNT TYPE

The KCV 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:

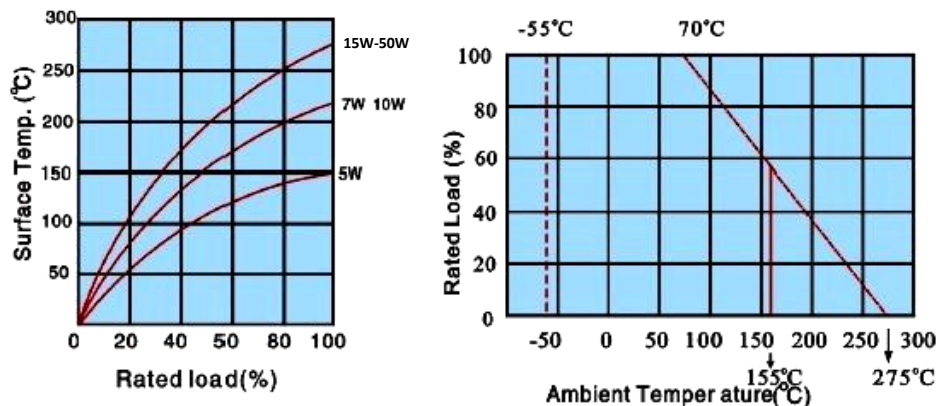
- Flameproof Construction.
- High Safety.
- Excellent electrical and mechanical stability.
- High resistance to heat and moisture.



## 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

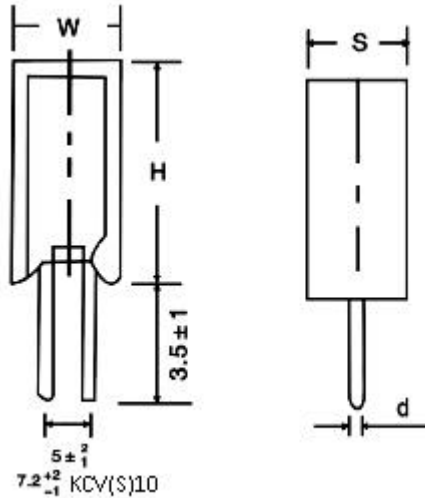


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### RESISTANCE RANGE AND DIMENSIONAL DETAILS



Series	Rated Power (W)	Max Working Voltage (V)	Resistance Range	H ± 1.0	W ± 1.0	S ± 1.0	d ± 0.1
KCV2	2	150	0.1Ω - 10KΩ	20.0	11.0	7	0.7
KCV3	3	350	0.1Ω - 50KΩ	25.0	12.0	8	0.7
KCV5	5	350	0.1Ω - 50KΩ	25.0	13.0	9	0.7
KCV7	7	350	0.1Ω - 50KΩ	39.0	13.0	9	0.7
KCV10	10	750	0.1Ω - 75KΩ	51.0	13.0	9	0.7
KCV(S)10	10	750	0.1Ω - 100KΩ	35.0	16.0	12	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

#### KCVseries R T

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

Example: KCV2 1R J - KCV2 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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