

KWK RESISTORS INDIA

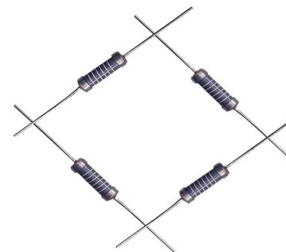


KCC SERIES - CARBON COMPOSITION RESISTORS - AXIAL TYPE

The KCC series is a range of high stability, high reliability Carbon Composition Resistor. A wide range of resistance values are available in this series of Resistors. These resistors finds applications in various electronic equipment.

Features:

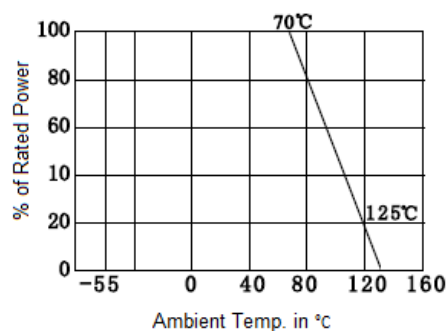
- Good electrical stability, reliability and mechanically very rigid.
- Wide range of resistance values available.
- Small sizes are available.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition			Compliance
Tolerance				±5% & ±10%
Resistance Value series				as per E12 & E6
Temperature Coefficient of resistance	Resistance range	% of Max Resistance value		Temperature range -55°C to +100°C
		-55°C to +20°C	+20°C to +100°C	
	≤1KΩ	±6.5	±5	
	1.1KΩ~10KΩ	±10	±6	
	11KΩ~100KΩ	±13	±7.5	
	110KΩ~1MΩ	±15	±10	
	1.1MΩ~10MΩ	±20	±15	
	≥11MΩ	±25	±20	
Change in resistance Short time overload Load Life Temperature Cycling Moisture Load Life Resistance to soldering heat Resistance to vibration Terminal Strength	2.5xrated voltage for 5sec Rated voltage @70°C 1.5hr ON 0.5hr off for 1000hrs -55°C to +85°C 95% RH, 40°C for 240hrs 350°C for 3sec, 4mm from the body 10~500Hz @ 3direction for 2hrs each direction 10N for 10S			R± 2.5% R± 10% ; No evidence of physical damage & marking shall be legible R± 2% ; No evidence of physical damage R± 10% ; R± 5% ; R± 2% ; No evidence of physical damage R± 2% ; No evidence of physical damage
Solderability (where applicable)	235°C for 2sec			>95%
Insulation Resistance	≥1000MΩ @100V DC for 1minute			No breakdown
Dielectric Strength	2 times the max voltage for 1minute			No breakdown

POWER DERATING CURVE

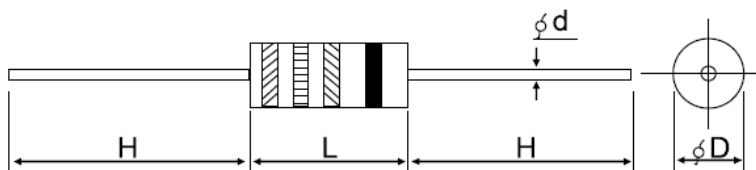


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RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W)	Rated Voltage (V)	Max Working Voltage (V)	Max Overload Voltage (V)	Resistance Range	L	D	d	H
KCC1/4	0.25	$\sqrt{W \times R}$	250	400	2.2Ω-12MΩ	6.3±1.5	2.3±0.3	0.6±0.02	27±2
KCC1/2	0.5	$\sqrt{W \times R}$	350	700	2.2Ω-22MΩ	9.5±1.5	3.5±0.3	0.7±0.02	27±2
KCC1	1	$\sqrt{W \times R}$	500	1000	2.2Ω-22MΩ	15.0±1.5	6.0±0.1	0.8±0.02	27±2
KCC2	2	$\sqrt{W \times R}$	500	1000	1.8Ω-10KΩ	18.0±1.5	8.0±0.1	1.0±0.02	27±2

ORDERING DETAILS

KCCseries R T

KCCseries - Series Model #
R - Resistance Value (E-24, 12series e.g.: 0R12=0.12Ω, 120R=120Ω, 1K2=1.2kΩ, 12M=12MΩ)
T - Tolerance Code (±2% -G, ±5% -J, ±10% -K)

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

Example: KCC1/4 10K J - KCC 0.25W 10K 5%

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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