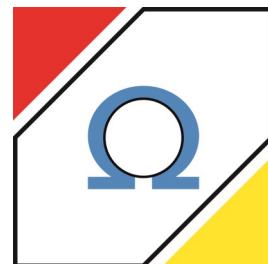


KWK RESISTORS INDIA



KCR SERIES - CERAMIC ENCASED RESISTORS - RADIAL TYPE

The KCR series are non flammable Ceramic Encased Resistors. The resistors are hermetically sealed in a highly insulated ceramic boats with special cement. This series resistors are highly resistant to heat, moisture and have excellent mechanical strength. Hence these resistors are most suitable for electronic circuits.

Features:

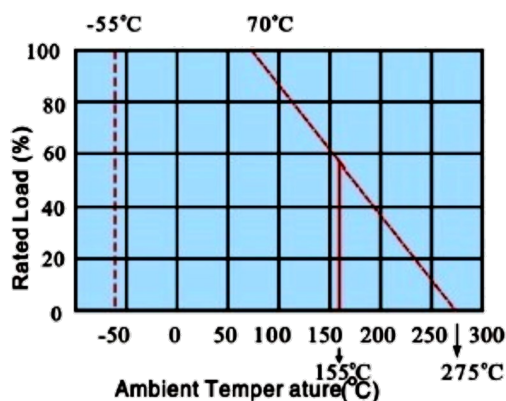
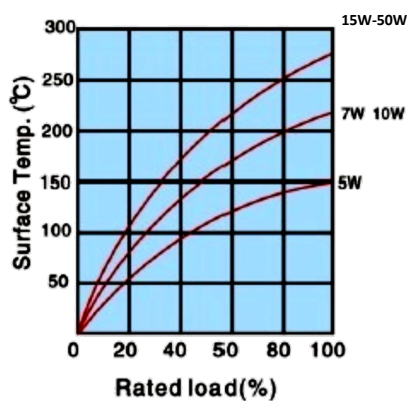
- Flameproof Construction.
- High Safety
- Hermetically Sealed.
- Very good electrical and mechanical stability.
- Highly resistance to heat and moisture.



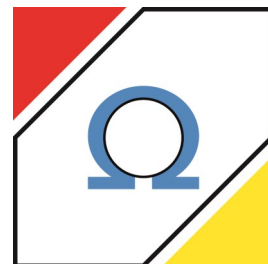
ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Tolerance		±1%, ±5% & ±10%
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

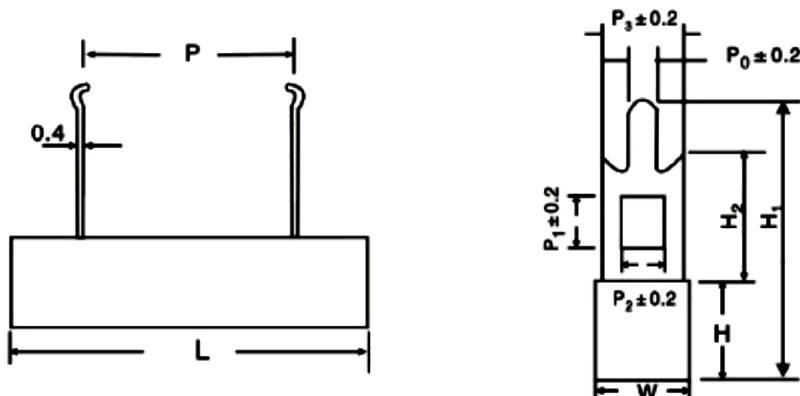


KWK RESISTORS INDIA



KCR SERIES - CERAMIC ENCASED RESISTORS - RADIAL TYPE

RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W)	Max Working Voltage (V)	Resistance Range	L ± 1.5	W ± 1.0	H ± 1.0	P ± 1.5	P1	P2	P3	P4	H1±1.0	H2±1.0
KCR5	5	350	0.1Ω - 180Ω	28.0	10.0	10.0	15.0	4.2	2.0	7.0	1.5	25.0	10.5
KCR(S)5	5	350	0.1Ω - 180Ω	25.0	10.0	10.0	9.5	4.2	2.0	7.0	1.5	25.0	10.5
KCR7	7	350	0.1Ω - 430Ω	36.0	10.0	10.0	20.0	4.2	2.0	7.0	1.5	25.0	10.5
KCR10	10	750	0.1Ω - 470Ω	48.0	10.0	10.0	32.0	4.2	2.0	7.0	1.5	25.0	10.5
KCR15	15	1000	0.5Ω - 600Ω	48.0	12.0	12.0	32.0	4.2	2.0	7.0	1.5	26.0	10.5
KCR20	20	1000	0.5Ω - 1KΩ	60.0	15.0	15.0	42.0	7.0	4.0	10.0	3.0	36.0	15.0
KCR30	30	1000	0.5Ω - 1KΩ	75.0	19.0	19.0	57.0	7.0	4.0	10.0	3.0	36.0	15.0
KCR40	40	1000	0.5Ω - 1KΩ	75.0	19.0	19.0	57.0	7.0	4.0	10.0	3.0	36.0	15.0
KCR50	50	1000	0.5Ω - 1KΩ	90.0	19.0	19.0	67.0	7.0	4.0	10.0	3.0	60.0	30.0

ORDERING DETAILS

KCRseries R T

KCRseries	- Series Model #
R	- Resistance Value (e.g.: 0R1=0.1Ω, 1R2=1.2Ω, 120R=120Ω)
T	- Tolerance Code (±1% - F, ±5% -J, ±10% -K)

Example: KCR2 1R J - KCV 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.

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