

KWK RESISTORS INDIA



KSMW SERIES - POWER WIRE WOUND CHIP RESISTORS - SURFACE MOUNT TYPE

The KSMW series is a range of high stability, high reliability, and flame proof packaged power wire wound chip resistors. The packaging is resistant to heat & humidity. A wide range of resistance values are available in 2W to 5W. These resistors are specially designed for **automatic surface mounting**.

Features:

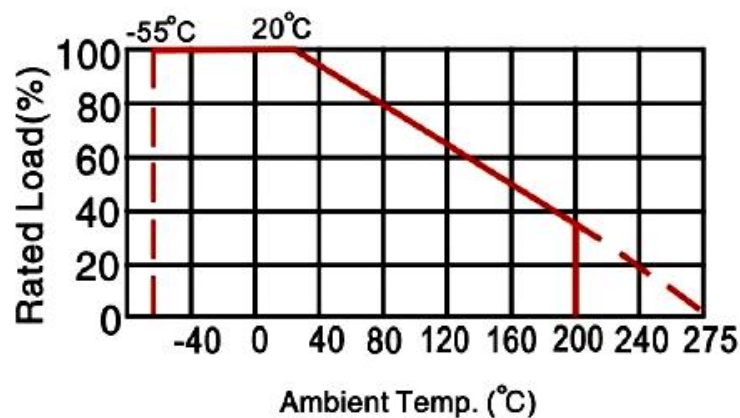
- Flameproof UL94V0 molded packaging.
- Automatic Surface Mounting design.
- Very good electrical and mechanical stability.
- Reduced assembly costs.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Tolerance		±1% & ±5%
Temperature Coefficient	-55°C to +200°C (As per JIS-C-5202 5.2)	±200PPM/°C Max
Insulation Resistance	500V DC -55°C to +200°C (As per JIS-C-5202 5.6)	>10GΩ
Change in resistance Short time overload Load Life Moisture Load Life	5 x rated wattage for 5sec (As per JIS-C-5202 5.5) 70°C on-off cycle 1,000hrs (As per JIS-C-5202 7.1) 40°C 95% RH on-off cycle 500hrs -55°C to +200°C (As per JIS-C-5202 7.9)	± 1% ± 2% ± 2%
Rated Load	Rated Voltage for 30 minutes -55°C to +200°C (As per JIS-C-5202 5.4)	± 1%

POWER DERATING CURVE

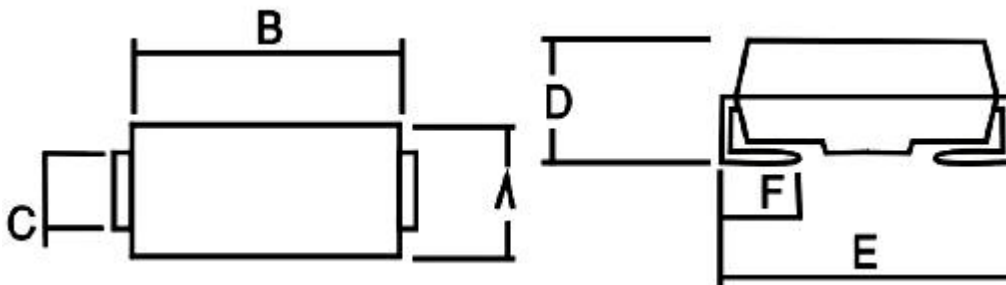


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RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W)	Resistance Range	A ± 0.3	B ± 0.3	C ± 0.3	D ± 0.3	E ± 0.3	F ± 0.3
KSMW2	2	0.1 Ω to 200 Ω	4.0	6.7	1.4	3.55	7.9	1.5
KSMW3	3	0.1 Ω to 300 Ω	5.5	10.5	1.7	5.00	12.0	2.3
KSMW5	5	0.1 Ω to 500 Ω	7.3	13.5	1.7	6.80	17.0	2.5

ORDERING DETAILS

KSMWseries R T

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

Example: KSMW2 1R J - KSMW2 1 Ω 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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VERITAS**

KWKCAT21 R00