

KWK RESISTORS INDIA



KSMF SERIES - POWER METAL FILM CHIP RESISTORS - SURFACE MOUNT TYPE

The KSMF series is a range of high stability, high reliability, and flame proof packaged power metal film chip resistors. The packaging is resistant to heat & humidity. A wide range of resistance values are available in 1W to 5W. These resistors are specially designed for **automatic surface mounting**.

Features:

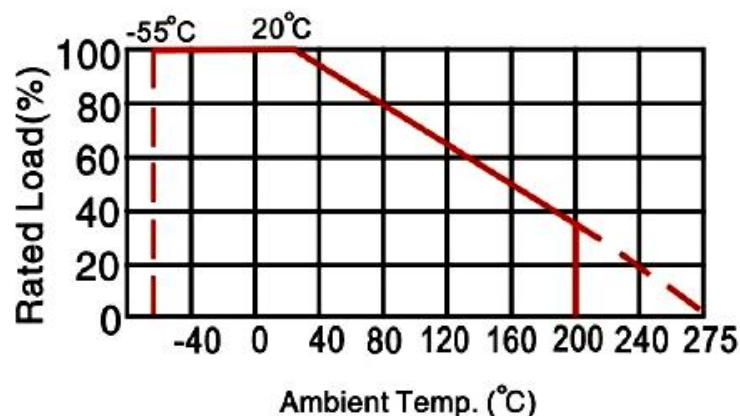
- Flameproof UL94V0 molded packaging.
- Automatic Surface Mounting design.
- Very good electrical and mechanical stability.
- Reduced assembly costs.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Tolerance		±1% & ±5%
Temperature Coefficient	-55°C to +200°C (As per JIS-C-5202 5.2)	±100PPM/°C
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)	± 0.5% ± 1% ± 1%
Rate Load	Rated Voltage for 30 minutes -55°C to +200°C (As per JIS-C-5202 5.4)	± 0.5%

POWER DERATING CURVE

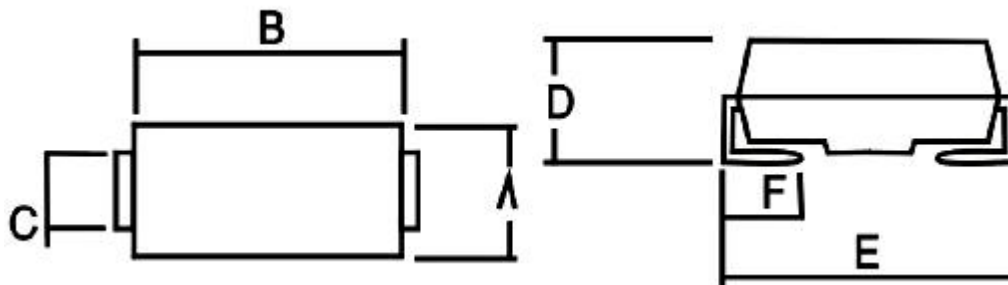


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RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series	Rated Power (W)	Max. Working Voltage (V)	Resistance Range	A ±0.3	B ±0.3	C ±0.3	D ±0.3	E ±0.3	F ±0.3
KSMF1	1	300V	10Ω to 2MΩ	3.3	4.5	1.2	2.70	6.0	1.1
KSMF2	2	300V	10Ω to 2MΩ	4.0	6.7	1.4	3.55	7.9	1.5
KSMF3	3	500V	10Ω to 2MΩ	5.5	10.5	1.7	5.0	12.0	2.3
KSMF5	5	500V	10Ω to 2MΩ	7.3	13.5	1.7	6.80	17.0	2.5

ORDERING DETAILS

KSMFseries R T

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

Example: KSMF2 1R J - KSMF2 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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2 of 2



**BUREAU
VERITAS**

KWKCAT22 R00