

KWK RESISTORS INDIA



KSM SERIES - METAL OXIDE FILM RESISTORS - AXIAL TYPE

The KSM series is a range of high stability, high reliability, and flameproof metal oxide film resistors. A wide range of resistance values are available in this series of Resistors. These resistors are suitable for high-power circuits of electronic devices.

Non-Inductive type resistors are also offered in this series .

Small sized metal oxide resistors, KSM(S), are also available in this series.

Features:

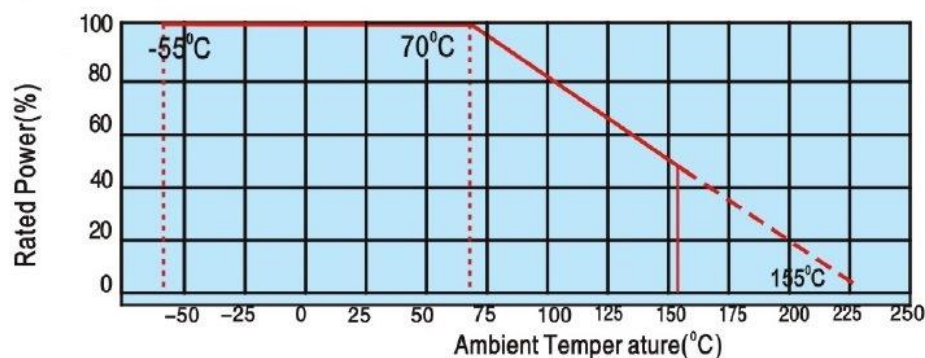
- Wide range of resistance values available.
- Non-inductive versions on offer.
- Good electrical stability, reliability and mechanically very rigid.
- Flameproof coating.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Continuous Power	Rated power @25°C	
Tolerance		±1%, ±2%, ±5% & ±10%
Temperature Coefficient		± 350PPM/°C
Insulation Resistance		>10 ⁴ Ω
Change in resistance a. Short time overload b. Load Life c. Temperature Cycling d. Moisture Load Life	- @70°C - -	KSM: ± (1% + 0.05Ω), KSM(S): ± (2% + 0.1Ω) ± (5% + 0.05Ω) ± (1% + 0.05Ω) ± (5% + 0.05Ω),
Solderability (where applicable)		>95%

POWER DERATING CURVE

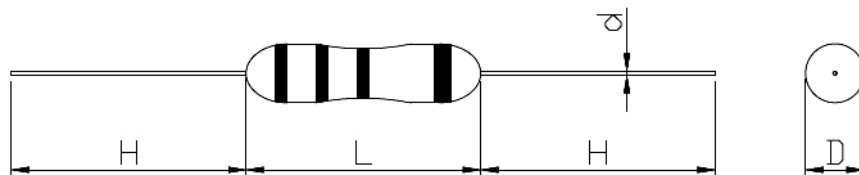


KWK RESISTORS INDIA



KSM SERIES - METAL OXIDE FILM RESISTORS - AXIAL TYPE

RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

Series		Rated Power (W)	Max Working Voltage (V)	Max Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Resistance Range	L	D	d	H
Normal Size	KSM1/4	0.25	200	300	250	0.1Ω-600kΩ	6.5±0.5	2.3±0.3	0.43±0.02	25±3
	KSM1/2	0.5	250	400	350	0.1Ω-600kΩ	9.0±1.0	3.2±0.5	0.50±0.02	25±3
	KSM1	1	350	600	500	0.1Ω-600kΩ	12.0±1.0	4.5±0.5	0.65±0.02	25±3
	KSM2	2	350	600	500	0.1Ω-600kΩ	15.5±1.0	5.0±1.0	0.72±0.02	23±3
	KSM3	3	450	700	600	0.1Ω-600kΩ	17.5±1.0	6.0±1.0	0.72±0.02	27±3
	KSM5	5	750	1000	750	0.1Ω-600kΩ	24.5±1.0	8.5±1.0	0.75±0.02	27±3
	KSM7	7	750	1000	750	10Ω-200kΩ	41.0±1.0	8.5±1.0	0.8±0.02	38±3
Small Size	KSM(S)1/2	0.5	250	400	350	0.1Ω-600kΩ	6.5±0.5	2.3±0.3	0.43±0.02	25±3
	KSM(S)1	1	300	500	400	0.1Ω-600kΩ	9.0±1.0	3.2±0.5	0.50±0.02	25±3
	KSM(S)2	2	350	600	500	0.1Ω-600kΩ	12.0±1.0	4.5±0.5	0.65±0.02	25±3
	KSM(S)3	3	350	600	500	0.1Ω-600kΩ	15.5±1.0	5.0±1.0	0.72±0.02	23±3
	KSM(S)5	5	500	800	700	0.1Ω-600kΩ	17.0±1.0	6.0±1.0	0.72±0.02	27±3
	KSM(S)7	7	750	1000	750	0.1Ω-600kΩ	24.5±1.0	8.5±1.0	0.75±0.02	27±3
	KSM(S)10	10	800	1500	1200	10Ω-200kΩ	53.0±1.0	8.5±1.0	0.8±0.02	38±3

ORDERING DETAILS

KSMseries R T P

KSMseries - Series Model #

R - Resistance Value (E-24,12series e.g.: 0R12=0.12Ω, 120R=120Ω, 1K2=1.2kΩ, 12M=12MΩ)

T - Tolerance Code (±1% - F, ±2% - G, ±5% - J, ±10% - K)

P - Packaging (S-Bulk (Straight), M-Bulk M-Form series (Horizontal Forming), U-Bulk U-Form series (Vertical Forming), T/R-Tape on reel packaging, Txx- Boxed (26,52,63,73,83mm width taping)).

Example: KSM1/4 10K J T63— KSM1/4 10K 5% with T63 packaging

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.

Reg. Office: B-81, Industrial Estate, Rajajinagar, Bengaluru-560044.India

Works: #72, 3rd main, 2nd stage, Industrial suburb, Yeshwanthpur, Bengaluru-560022.India

Ph.:+91-80-23370038, Tele/Fax:+91-80-23370046 Email: contact@kwk-resistors.in

www.kwk-resistors.in

2 of 2



**BUREAU
VERITAS**

KWKCAT13 R00