

KWK RESISTORS INDIA



KSW SERIES - WIRE WOUND RESISTORS - AXIAL TYPE

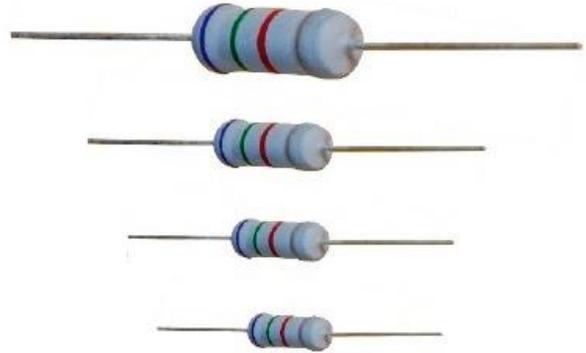
The KSW series is a range of high stability, high reliability, and flameproof wire wound resistors. This series of resistors are features with superior heat and pulse resistance. A wide range of resistance values are available in this series of Resistors. These resistors are suitable for high-power circuits of electronic devices.

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

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

Features:

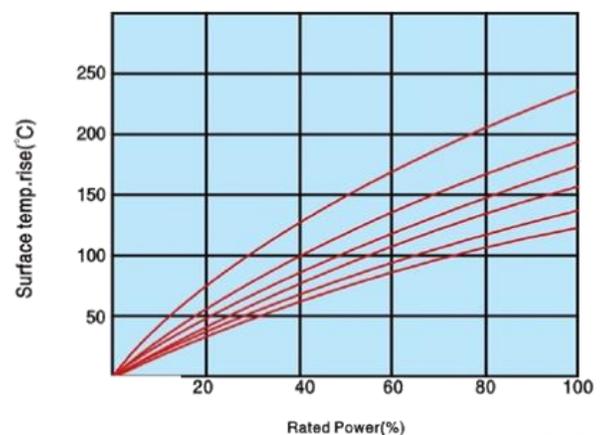
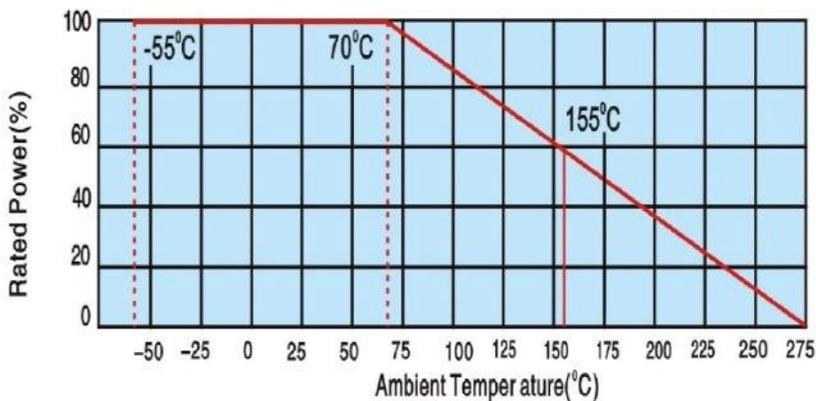
- Superior heat resistance.
- Superior pulse resistance.
- Wide range of resistance values available.
- Non-inductive versions on offer.
- Good electrical stability, reliability and mechanically very rigid.
- Flameproof coating.



ELECTRICAL SPECIFICATIONS

Characteristics	Condition	Compliance
Tolerance		±1%, ±2%, ±5%, ±10% & ±20%
Temperature Coefficient		± 300PPM/°C
Insulation Resistance		>10 ⁴ Ω
Change in resistance		
a. Short time overload	-	± (2% + 0.05Ω)
b. Load Life	@70°C	± (5% + 0.05Ω)
c. Temperature Cycling	-	± (2% + 0.05Ω)
d. Moisture Load Life	-	± (5% + 0.05Ω),
Solderability (where applicable)		>95%

POWER DERATING CURVE AND SURFACE TEMPERATURE RISE

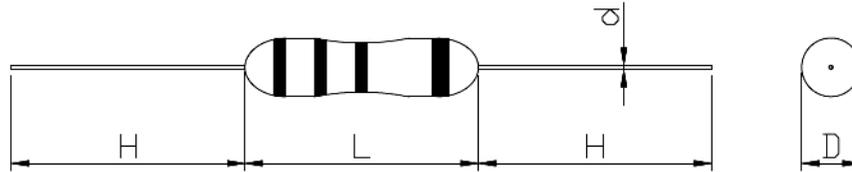


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RESISTANCE RANGE AND DIMENSIONAL DETAILS



Note: All dimension are in mm.

	Series	Rated Power (W)	Resistance Range	L	D	d	H
Normal Size	KSW1/2	0.5	0.01Ω-600Ω	9.0±1.0	3.2±0.5	0.50±0.02	25±3
	KSW1	1	0.01Ω-6kΩ	11.0±1.0	4.5±0.5	0.65±0.02	25±3
	KSW2	2	0.01Ω-12kΩ	15.0±1.0	5.0±1.0	0.70±0.02	25±3
	KSW3	3	0.01Ω-15kΩ	17.0±1.0	6.0±1.0	0.70±0.02	25±3
	KSW4	4	0.01Ω-15kΩ	24.0±1.0	7.5±1.0	0.70±0.02	25±3
	KSW5	5	0.01Ω-20kΩ	24.0±1.0	7.5±1.0	0.70±0.02	25±3
	KSW6	6	0.01Ω-20kΩ	24.0±1.0	7.5±1.0	0.70±0.02	25±3
	KSW8	8	0.01Ω-25kΩ	32.0±0.5	8.5±1.0	0.70±0.02	25±3
	KSW10	10	0.01Ω-30kΩ	32.0±1.0	8.5±1.0	0.70±0.02	25±3
	KSW12	12	0.01Ω-33kΩ	37.0±1.0	8.5±1.0	0.70±0.02	25±3
	KSW15	15	0.01Ω-36kΩ	42.0±1.0	8.5±1.0	0.70±0.02	25±3
	KSW20	20	0.01Ω-47kΩ	52.0±1.0	8.5±1.0	0.70±0.02	25±3
	KSW30	30	0.01Ω-50kΩ	77±1.0	8.5±1.0	0.70±0.02	25±3
Small Size	KSW(S)1	1	0.01Ω-6kΩ	9.0±1.0	3.2±0.5	0.50±0.02	25±3
	KSW(S)2	2	0.01Ω-12kΩ	11.0±1.0	4.5±0.5	0.65±0.02	25±3
	KSW(S)3	3	0.01Ω-15kΩ	15.0±1.0	5.0±1.0	0.70±0.02	25±3
	KSW(S)5	5	0.01Ω-15kΩ	17.0±1.0	6.0±1.0	0.70±0.02	25±3

ORDERING DETAILS

KSWseries R T P

KSWseries - 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, ±20% - M)

P - Packaging (S-Bulk (Straight), M-Bulk M-Form series (Horizontal Forming), U-Bulk U-Form series (Vertical Forming), Txx- Boxed (52,63,73,83mm width taping)).

Example: KSW1/2 10K J T63— KSW1/2 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.

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