

KWK RESISTORS INDIA

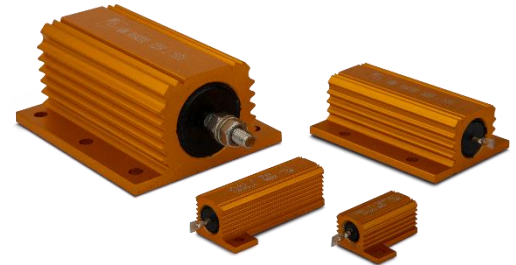


KHA SERIES - ALUMINIUM HOUSED POWER RESISTORS

The KHA style, is a range of high quality, high stability Aluminum housed Power resistors designed for direct heatsink attachment. A wide range of resistance values are available in 5 to 300W. Design of higher wattage resistors for special applications can be done with ease.

Features:

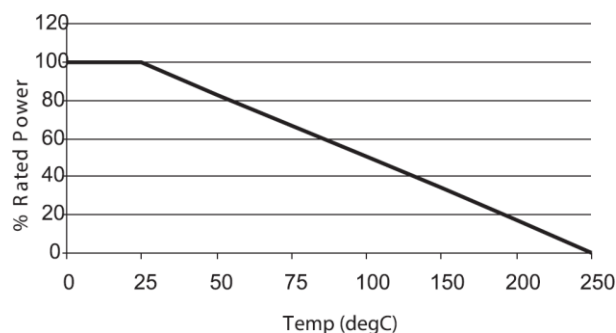
- Excellent Electrical stability, reliability and mechanically very rigid
- Non-Inductive version available
- Values from R01 to 150K
- Custom terminations, Mounting arrangements possible
- RoHS Compliant



PERFORMANCE CHARACTERISTICS

Characteristics	Condition	Compliance
Tolerance (Tighter tolerance available on request)	For Values less than 1Ω For Values greater than 1Ω	± 5% ± 0.25% to ±5%
Temperature Co-efficient	Dry/Normal	100 PPM/°C max
Insulation Resistance		> 10 GΩ
Endurance	1.5Hrs ON, 0.5Hrs OFF for 1000Hrs @Room Temperature	ΔR < 1% +0R05
Short Term Overload	5 x Rated Power or Isolation Voltage (Whichever is Lesser of the two Voltages)	ΔR < 1% +0R05
Termination Robustness	20N Tensile Force	ΔR < 0.25% +0R05
Resistance to Soldering Heat	260°C, 10 Seconds	ΔR < 0.25% +0R05
Rapid Change of Temperature	-55°C/200°C, 5 Cycles	ΔR < 0.25% +0R05
Bump	4000 Bumps at 40g	ΔR < 0.25% +0R05
Vibration	10Hz to 500Hz, 10g, 6 hrs	ΔR < 0.25% +0R05

POWER DERATING CURVE



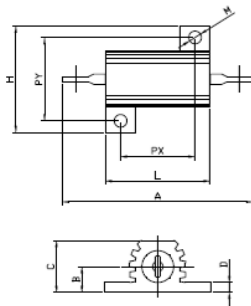


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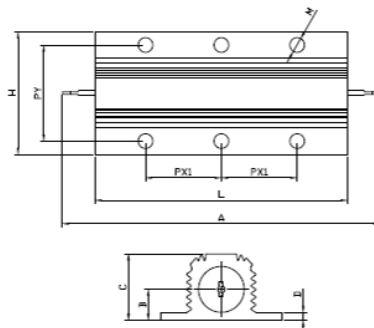
ELECTRICAL SPECIFICATIONS

SERIES	RATED POWER ON HEATSINK @ 25°C (W)	RATED POWER W/O HEATSINK @ 25°C (W)	RESISTANCE RANGE (Ω)	MAX WORKING VOLTAGE (DC/AC rms) (V)	DIELECTRIC STRENGTH (AC peak)	WEIGHT (gms approx.)	STANDARD HEATSINK AREA (cm ²)	STANDARD HEATSINK THICKNESS (cm)
KHA5	10	5	R10 - 10K	160	1000	5	400	0.1
KHA10	15	8	R10 - 15K	260	1000	7	400	0.1
KHA25	25	12.5	R01 - 33K	550	1800	15	550	0.1
KHA50	50	20	R01 - 100K	1250	1800	30	550	0.1
KHA75	75	45	R10 - 50K	1400	3600	85	1000	0.3
KHA100	100	50	R10 - 100K	1900	3600	115	1000	0.3
KHA150	150	55	R10 - 100K	2500	4000	175	1000	0.3
KHA200	200	50	R10 - 50K	1900	5000	475	3750	0.3
KHA250	250	60	R10 - 65K	2200	5000	600	4800	0.3
KHA300	300	75	R10 - 80K	2500	5000	700	5800	0.3

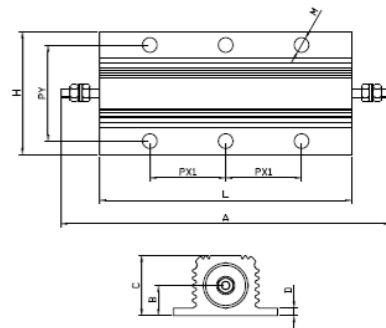
KHA5-50



KHA75-150



KHA200-300



Series	L ±0.5	A ±3	H ±0.5	PX ±0.3	PX1 ±0.3	PY ±0.3	M ±0.5	B ±2	C ±2	D ±0.5
KHA5	16.8	29.0	16.5	11.3	-	12.4	2.4	4.3	8.5	1.7
KHA10	20.1	35.0	20.32	14.3	-	15.9	2.4	4.95	9.91	2.0
KHA25	27.3	45.0	27.4	18.3	-	19.8	3.2	7.15	12.7	2.0
KHA50	50.1	68.0	29.2	39.7	-	21.4	3.3	8.1	13.5	2.45
KHA75	48.9	68.0	47.0	29.0	-	37.0	4.4	11.6	22.9	3.5
KHA100	65.4	83.0	47.0	35.0	-	37.0	4.4	11.6	22.9	3.5
KHA150	97.0	166.0	47.0	-	29.0	37.0	4.4	11.6	22.9	3.5
KHA200	88.9	140.0	71.4	-	35.0	57.2	5.5	20.5	41.0	5.0
KHA250	114.0	160.0	71.4	-	44.5	57.2	5.5	20.5	41.0	5.0
KHA300	127.0	177.0	71.4	-	52.0	59.0	6.5	20.5	41.0	5.0

ORDERING DETAILS

KHAseries R T

KHA - Series Model, R - Resistance Value, T - Tolerance Code (±5% - J, ±10% - K)
EXAMPLE: KHA3006R8J - KHA300 6R8 ±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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