

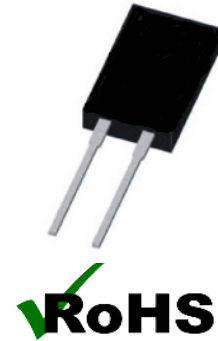
KWK RESISTORS INDIA



THICK FILM RESISTORS TO-220 PACKAGE - KTR50 - 50W

Features:

- Operating power of up to 50W.
- Snap-on style heat sink for easy mounting .
- Non-Inductive construction.
- RoHS Compliant.
- UL 94 V-0 compliant material.
- Provides superior environmental protection due to fully molded construction.
- High electrical insulation from heat sink.
- High pulse tolerant design.



PERFORMANCE CHARACTERISTICS

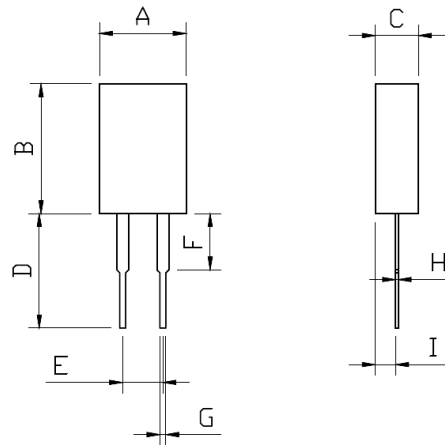
Characteristics	Specification	Condition
Power Rating	50W	Bottom Case temperature to be maintained 25°C
Derating	100% up to 25°C 80% up to 50°C 0% at 150°C Bottom case temp.	
Resistance Range	R05 to 10K	
Tolerance	±1 % to ±10 %	
Temperature Co-efficient	±50 ppm/°C Standard ±100 ppm/°C Standard	(≥10Ω) (1Ω & 10Ω above)
Insulation Voltage	1800 VAC.	
Insulation Resistance	> 10 GΩ @1000V DC	No Breakdown
Operating temp	-55°C to +150°C	
Maximum operating voltage	350 V	
Short Time Overload	2 x rated power with applied voltage not to exceed 1.5x maximum continuous operating voltage for 5 Sec.	ΔR<±(0.5%+0.0005Ω)
Thermal Shock	-65°C to -150°C,100 cycles	ΔR<±(0.3%)
Endurance	Rated power, 2,000 hours	ΔR<±(1.0%)
Terminal Strength	(Pull Test) 2.4N	ΔR<±(0.2%)
Vibration, high frequency	20g peak	ΔR<±(0.2%)
Torque	0.7 Nm to 0.9 Nm	
Lead material	Tinned copper	
Weight	2g	

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MECHANICAL DIMENSIONS



All dimensions are in mm

A	B	C	D	E	F	G	H	I
10.15-10.67	16-16.52	2.92-3.44	11.43-13.97	4.82-5.34	2.54-4.06	0.66-0.86	1.52-2.04	0.40-0.60

ORDERING DETAILS

KTR50 R T T0220

- KTR50 - Series
- R - Resistance Value (e.g.: 1R=1Ω; 10R2=10.2Ω; 1K=1kΩ; 1M=1MΩ)
- T - Tolerance Code (±1% - F, ±2% - G, ±5% - J, ±10% - K)

Example: KTR50 10R J -50W 10R 5% TO-220 Package

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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KWKC42 R00