

KRL News

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Temperature Compensating Wirewound Resistors

KRL High T.C. Resistors are available in any of the packages listed in this catalog



GENERAL SPECIFICATIONS

- RESISTANCE RANGE - 10Ω to 500KΩ. For a particular style, the maximum resistance in percent must be applied to the normal catalog maximum resistance.
- TOLERANCE - Standard from 10%, 5%, 3% and 1%. Accuracies to 0.2% are available. Consult factory for special requirements.
- TEMPERATURE RANGE - From -55°C to +145°C, +25°C ref.
- TEMPERATURE COEFFICIENTS - Available from +80PPM/°C to +6000PPM/°C (see table). Use Order Code A thru T for standard T.C.'s shown.
- SPECIAL TEMPERATURE COEFFICIENTS - If you need a special, Non-standard T.C., Use Order Code X and specify the exact T.C. Required and temperature range of operation with 25°C as reference temperature. (Factory must approve all non-standard T.C.'s)
- APPLICATIONS - Since there are many packages that a High T.C. Resistor can accommodate, it is impossible to show all types. Most often a customer will have a unique situation and our engineering department will gladly aid in any design and development of customer requirements. KRL High T.C. Resistors have found their way into Power Supplies, Motor Controllers, Computers, Electronic Circuits for D to A And A to D converters, Temperature Sensors for the Medical Electronics Field, Aircraft Systems, Aerospace Flight Modules, and in Automotive Electronic Ignition Systems.

KRL ORDER CODE	TEMPERATURE COEFFICIENT	MAXIMUM RESISTANCE IN PERCENT	COLD RANGE IN PPM/°C -55C to +25C	HOT RANGE IN PM/°C +25C TO +125C	MAXIMUM RESISTANCE IN PERCENT
A	+ 80	± 20	+ 80	± 20	80
B	+ 100	± 10	+ 100	± 10	80
C	+ 120	± 10	+ 120	± 10	80
D	+ 140	± 30	+ 140	± 30	80
E	+ 180	± 30	+ 180	± 30	80
G	+ 290	± 30	+ 290	± 30	25
H	+ 380	± 40	+ 400	± 40	70
J	+ 450	± 50	+ 450	± 50	60
K	+ 700	± 200	+ 700	± 200	60
L	+ 850	± 80	+ 850	± 80	50
†M	+ 1000	± 100	+ 1000	± 100	50
†N	+ 1500	± 200	+ 1400	± 200	50
†P	+ 2600	± 200	+ 2600	± 200	50
†Q	+ 3200	± 300	+ 3500	± 300	40
†R	+ 4000	± 400	+ 4500	± 400	5
†T	+ 5000	± 300	+ 6000	+ 300	5
X (1)	SPECIAL T.C., SPECIFY EXACT TCR. SUBJECT to FACTORY APPROVAL				

TABLE INFO

(1) KRL will manufacture to any T.C.R. to meet customer specifications.

† Indicates most readily available T.C.R.'s.

