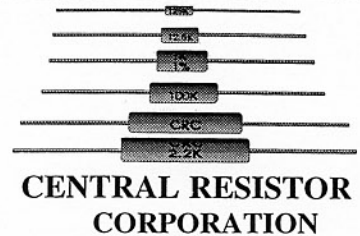




CR SERIES

HIGH POWER SMALL SIZE METAL FILM

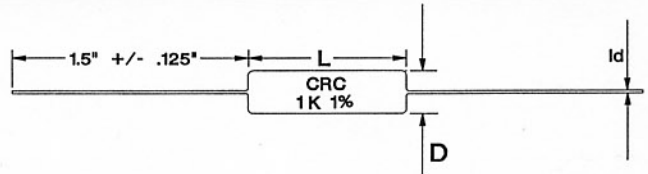


Our new **CR** series was developed to meet the industries ever increasing needs of outstanding electrical performance in a smaller size. This 100% increase in wattage ratings has been accomplished through a precision controlled vacuum deposited nickel-chrome alloy onto a high purity alumina core. A flame proof silicone based coating and high temperature marking inks complete this package. And like all the **CRC** resistor lines they are **MADE IN THE U.S.A.**

CENTRAL TYPE	WATT-AGE	VOLTAGE RATING	100PPM	50PPM [T-2]	25PPM [T-9]	DIMENSIONS IN INCHES		
						[L]	[D]	[ld]
CR-1	0.5W	250	2Ω to 300K	30Ω to 300K	50Ω to 300K	.266 +/- .015	.094 +/- .015	.025
CR-2	1.0W	350	3Ω to 400K	30Ω to 400K	50Ω to 400K	.375 +/- .030	.135 +/- .030	.032
CR-3	2.0W	350	3Ω to 500K	30Ω to 500K	50Ω to 500K	.590 +/- .030	.180 +/- .030	.032
CR-4	3.0W	500	3Ω to 250K	30Ω to 250K	50Ω to 250K	.520 +/- .030	.225 +/- .030	.032

ADDITIONAL ELECTRICAL SPECIFICATIONS

- Resistance Tolerance:** .1% to 10%
- Temperature Coefficient:** (-55°C to +125°C) ±100PPM/°C
±50PPM/°C ±25PPM/°C
- Dielectric Strength:** CR1 & CR2 - 500VAC for 1 minute.
CR3 & CR4 - 1000VAC for 1 minute.
- Insulation Resistance:** 1000MΩ minimum.
- Operating Temperature Range:** -55°C to +220°C.

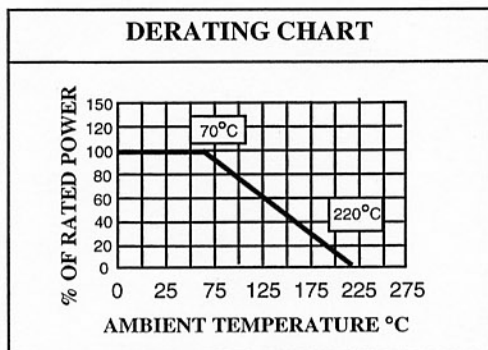


MATERIAL SPECIFICATIONS

- Core:** High purity, precisely dimensioned ceramic.
- Element:** Proprietary nickel-chrome alloy.
- Coating:** Flameproof silicone based conformal coat.
- Termination:** Solid copper leads, solder coated, welded to silver-plated brass end caps. Leads are weldable.
- Marking:** High temperature ink, resistant to most cleaning agents, alpha-numeric.

RESISTANCE RANGE BY TOLERANCE			
.1%	.25%	.5%	1,2,5,10%
200Ω and up	10Ω and up	10Ω and up	All Values

NON - INDUCTIVE RANGE
Available in 1, 2, 5, and 10%
3Ω to 1K



ENVIRONMENTAL SPECIFICATIONS

LOAD LIFE	+/- 2.0% + .05Ω
MOISTURE RESISTANCE	+/- 1.0% + .05Ω
THERMAL SHOCK	+/- 1.0% + .05Ω
SHORT TIME OVERLOAD	+/- .50% + .05Ω
DIELECTRIC STRENGTH	+/- .10% + .05Ω
LOW TEMP. STORAGE	+/- .50% + .05Ω
HIGH TEMP. EXPOSURE	+/- .50% + .05Ω
TERMINAL STRENGTH	+/- .25% + .05Ω
SHOCK	+/- .50% + .05Ω
VIBRATION	+/- .50% + .05Ω

HOW TO ORDER

Value - Tolerance - Type - PPM - Packaging

EXAMPLE 1K - 1% - CR1 - 100PPM - T&R

PACKAGING

- Tape & Reel
- Ammo Pack
- Card Pack

OTHER SERVICES

- Matched Sets
- Cut & form
- Special Testing