

High Voltage Chip Resistors



STANDARD ELECTRICAL SPECIFICATIONS

MODEL*	RESISTANCE RANGE* (Ohms)	POWER RATING* (MW)	VOLTAGE RATING (V) (Max.)
CRHV1206	2M - 8G	300	1500
CRHV1210	4M - 10G	450	1750
CRHV2010	6M - 35G	500	2000
CRHV2510	10M - 40G	600	2500
CRHV2512	12M - 50G	700	3000

*For non-standard sizes, lower values or higher power rating requirement, contact factory at +1-909-923-3313.

ELECTRICAL SPECIFICATIONS

(Reference only: Not for all values specified. Consult factory for your size and value.)

Resistance Range: $2 M\Omega$ to $50 G\Omega$ Resistance Tolerance: $\pm 1 \%$, $\pm 2 \%$, $\pm 5 \%$, $\pm 10 \%$, $\pm 20 \%$. Temperature Coefficient: $\pm 100 \text{ ppm/°C.}$ (- 55 °C to + 150 °C) Voltage Rating: 1500 V - 3000 V. Short Time Overload: Less than $0.5 \% \Delta R$.

MECHANICAL SPECIFICATIONS

Construction: 96 % alumina substrate with proprietary cermet resistance element and specified termination material.

ENVIRONMENTAL SPECIFICATIONS

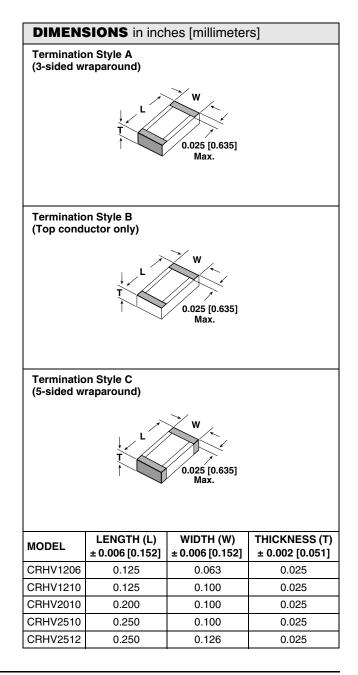
Operating Temperature: - 55 °C to + 150 °C

Life: Less than 0.5 % change when tested at full rated power (Reference only: Not for all values specified. Consult factory for your size and value.)

VOLTAGE COEFFICIENT OF RESISTANCE CHART								
SIZE	VALUE (Ohms)	VCR (PPM/V)	FURTHER INSTRUCTIONS					
CRHV1206	2M - 199M	25	Values over 200M, consult factory.					
CRHV1210	4M - 200M	25	Values over 200M, consult factory.					
CRHV2010	6M - 99M	15	Values over 1G,					
	100M - 1G	20	consult factory.					
CRHV2510	10M - 99M	10	Values over 1G,					
	100M - 1G	15	consult factory.					
CBHV2512	12M - 999M	10	Values over 5G,					
011172012	1G - 5G	25	consult factory.					

FEATURES

- High voltage up to 3000 volts
- Outstanding stability < 0.5 %
- Flow solderable
- Custom sizes available
- Automatic placement capability
- Top and wraparound terminations
- Tape and reel packaging available
- Internationally standardized sizes
- Nickel barrier available



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DERATING CURVE

(Reference only: Not for all values specified. Consult factory for your size and value.)

ORDERING INFORMATION										
CRHV	1206	Α	F	1006	F	100	e1			
MODEL	SIZE	TERMINATION STYLE	TERMINATION MATERIAL	VALUE	TOLERANCE	TCR	SOLDER TERMINATION			
		A = 3 sided B = Top only C = 5 sided	$\begin{array}{l} A = Palladium Silver \\ B = Platinum Gold \\ C = Gold \\ D = Platinum Silver \\ E = Palladium Gold \\ F = Nickel Barrier \end{array}$	The first 3 digits are significant figures. Last digit specifies the number of zeros to follow. Example: 1008 = 10 Gigohms.	$\label{eq:F} \begin{array}{l} F = \pm \ 1 \ \% \\ G = \pm \ 2 \ \% \\ J = \pm \ 5 \ \% \\ K = \pm \ 10 \ \% \\ M = \pm \ 20 \ \% \end{array}$	100 = ± 100 ppm/°C 200 = ± 200 ppm/°C 350 = ± 350 ppm/°C 500 = ± 500 ppm/°C	S2 = Sn62 e1 = Sn95/5			



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