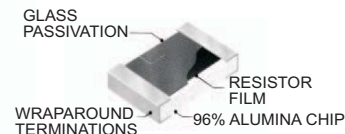




State of the Art, Inc.

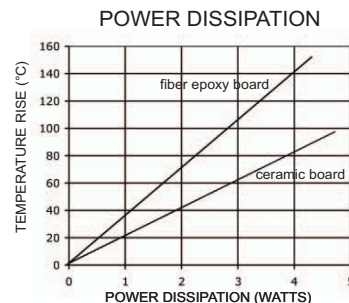
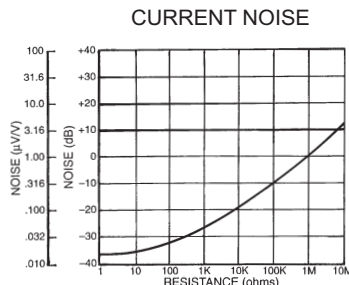
2010 High Voltage Chip Resistor

Thick Film, Solderable, Surface Mount Resistor



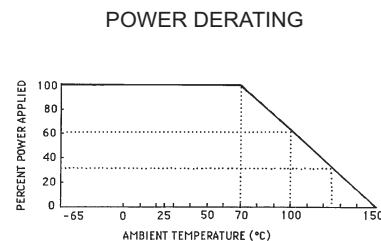
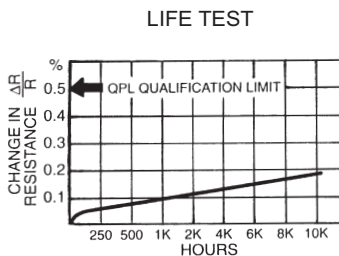
PERFORMANCE CHARACTERISTICS

Resistance Range	22 kΩ - 100 MΩ
Tolerance	±1%, ±2%, ±5%, ±10%
TCR	±100, ±200, ±300 ppm/°C
Thermal Resistance	44.5 °C/W
Maximum Power	1 W
Maximum Voltage	600 V



ENVIRONMENTAL PERFORMANCE (2)

Thermal Shock	±0.03%
Low Temperature Operation	±0.03%
Short-time Overload	±0.03%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%
Life Test	See Chart



(2) Typical resistance change, test methods and criteria per MIL-PRF-55342.

PART NUMBERING

S2010CVX1006F30 -TR

PACKAGING CODE: - TR = Tape/Reel - W = Waffle Carrier (Default packaging is Bulk)

TEMPERATURE CHARACTERISTIC: 10: ±100 ppm 20: ±200 ppm 30: ±300 ppm

TOLERANCE: F: 1% G: 2% J: 5% K: 10% M: 20%

RESISTANCE VALUE:

Four digits are used for tolerances of 1% or lower, three digits are used above 1%. Leading digits are significant while the last digit specifies the number of zeros to add. The letter "R" is used to represent the decimal for fractional ohmic values. Example: 5R6 is 5.6 ohms.

TERMINATION FINISH: X: SN60 (40% Pb) Solder Over Nickel Barrier, Y: Silver Over Nickel Barrier (RoHS)

PRODUCT DESIGNATION: V: High Voltage

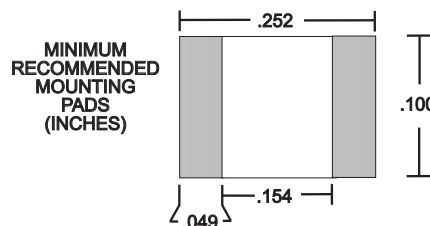
TERMINATION TYPE: C: Wraparound termination

SIZE CODE

GRADE: S: Standard Production H: High Reliability (For Screening options, contact the factory)

MECHANICAL

	INCHES	MILLIMETERS
Length	.202 (.200 - .210)	5.13 (5.08 - 5.33)
Width	.094 (.093 - .100)	2.38 (2.36 - 2.54)
Thickness	.028 (.023 - .033)	0.71 (0.58 - 0.84)
Top Term	.020 (.015 - .025)	0.51 (0.38 - 0.64)
Bottom Term	.019 (.015 - .025)	0.48 (0.38 - 0.64)
Gap	.164 (.160 - .168)	4.17 (4.06 - 4.27)
Approx. Weight	.0323 grams	



Specifications subject to change without notice.