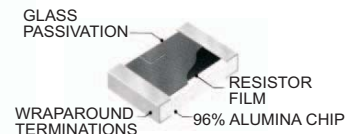




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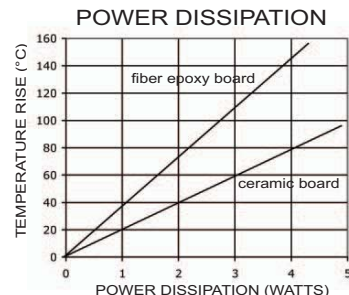
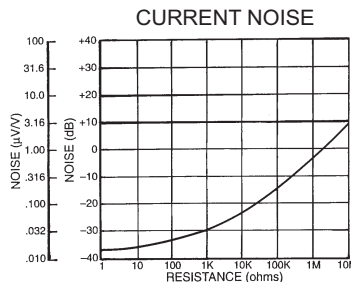
## 3818 High Voltage Chip Resistor

Thick Film, Solderable, Surface Mount Resistor



### PERFORMANCE CHARACTERISTICS

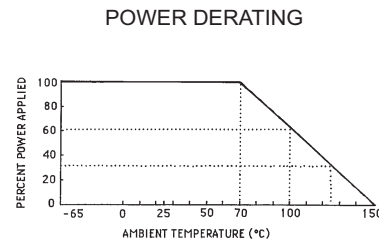
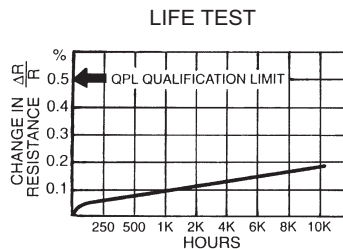
Resistance Range	22 kΩ - 100 MΩ
Tolerance	±1%, ±2%, ±5%, ±10%
TCR	±100, ±200, ±300 ppm/°C
Thermal Resistance	44.5 °C/W
Maximum Power	2 W
Maximum Voltage	2500 V



### 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

#### S3818CVX1006F30 -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
Case Length	.375 (.373-.383)	9.52 (9.47-9.73)
Case Width	.180 (.178-.186)	4.57 (4.52-4.72)
Case Height	.028 (.023-.033)	0.71 (0.58-0.84)
Top Term.	.034 (.029-.039)	0.86 (0.74-0.99)
Bottom Term.	.068 (.063-.073)	1.73 (1.60-1.85)
Bottom Gap	.239 (.235-.243)	6.07 (5.97-6.17)
Approximate Mass	0.12 grams	

\*Specifications subject to change without notice.\*

