

## MULTILAYER CHIP VARISTORS [ CVH Series ]

Development of high-voltage varistor composition allows application to AC100Vrms and AC200Vrms power circuits, which has not been materialized by conventional multilayer chip varistors hitherto.

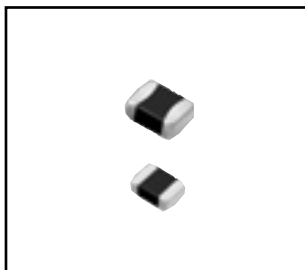
### ■ Features

- Applicable to AC100Vrms and AC200Vrms power lines.
- Applicable to high voltage (varistor voltage: 470 V max.).
- The zinc oxide material ensures high reliability with excellent nonlinearity and response.
- Compact and available to be surface mounted.
- RoHS Compliant.

### ■ Applications

Protection of various semiconductor elements from overvoltage. Protection of various types of equipment from inductive lightning surge. Absorption of switching surge and electrostatic surge for relays, horns, and motors.

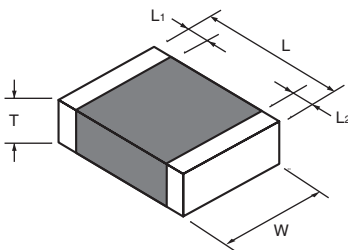
Operating temperature range : -40°C~+85°C



### ■ Part Number System

<b>CVH</b>	<b>70</b>	<b>A</b>	<b>271</b>	<b>K</b>	<b>-T(B)</b>	<b>R</b>
Series	Style	Capacitance A : High capacitance	Varistor voltage 271 : 270V	Varistor voltage tolerance K : ±10%	Packing form T:Taping B:Bulk	Termination R : Ag/Pd

### ■ Dimensions



Unit : mm

Type	EIA Symbol	L	W	T Max.	L1 • L2
CVH70	1812	4.5±0.3	3.2±0.3	3.2	0.8±0.3
CVH80	2220	5.7±0.3	5.0±0.3	~271:3.2 391~:4.5	0.8±0.3

\*T changes according to the varistor voltage.

### ■ Part Number List • Specifications

Part number	Maximum rating				Maximum clamping voltage		Varistor voltage
	Maximum allowable voltage		Maximum peak current	Maximum energy	(A)	(V)	V1mA
	AC.(Vrms)	DC.(V)	8/20 μs (A) one time	(J)			(V)
CVH70A680K	40	55	100	2	2.5	120	68
CVH70A820K	50	65	100	2	2.5	145	82
CVH70A121K	75	100	100	2	2.5	210	120
CVH70A181K	110	145	100	2	2.5	325	180
CVH70A221K	140	180	100	2	2.5	380	220
CVH70A271K	175	225	100	2	2.5	475	270
CVH80A680K	40	55	300	5	5.0	120	68
CVH80A820K	50	65	300	5	5.0	145	82
CVH80A121K	75	100	300	5	5.0	210	120
CVH80A181K	110	145	300	5	5.0	325	180
CVH80A221K	140	180	300	5	5.0	380	220
CVH80A271K	175	225	300	5	5.0	475	270
CVH80A391K	250	320	300	5	5.0	675	390
CVH80A471K	300	385	300	5	5.0	810	470