

## MULTILAYER CHIP VARISTORS [ CVA Series ]

The multilayer chip varistor, CVA Series, is a ceramic varistor for high-density surface mounting suitable for 12 VDC automobile circuits.

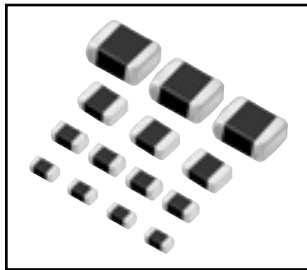
### ■ Features

- High maximum energy type
- The zinc oxide material ensures high reliability with excellent nonlinearity and response.
- Applicable to JASO transient voltage test (Type A, A-1) (Size 90)  
JASO "General Rules for Environmental Test of Automobile Electronic Equipment"
- Compact and available to be surface mounted.
- RoHS Compliant.

### ■ Applications

Protection of electronic equipment for automobiles from inductive lightning surge.  
 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.

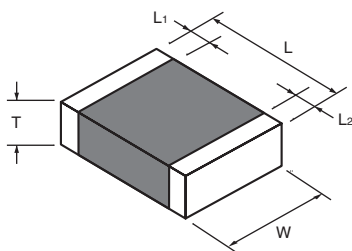
Operating temperature range : -40°C~+125°C



### ■ Part Number System

<b>CVA</b>	<b>30</b>	<b>A</b>	<b>270</b>	<b>M</b>	<b>-T(B)</b>	<b>W(R)</b>
Series	Style	Capacitance A : High capacitance	Varistor voltage 270 : 27V	Varistor voltage tolerance M : ±20%	Packing form T: Taping B: Bulk	Termination W : Ag R : Ag/Pd

### ■ Dimensions



Unit : mm

Type	EIA Symbol	L	W	T Max.	L1 • L2
CVA30	1206	3.2±0.2	1.6±0.3	1.5	0.6±0.3
CVA40	1210	3.2±0.2	2.5±0.3	1.5	0.6±0.3
CVA70	1812	4.5±0.2	3.2±0.3	2.0	0.8±0.3
CVA80	2220	5.7±0.2	5.0±0.3	3.0	0.8±0.3
CVA90	3025	7.5±0.2	6.3±0.3	4.5	1.1±0.3

### ■ Part Number List • Specifications

Part number	Maximum rating					Maximum clamping voltage		Varistor voltage
	Maximum allowable voltage		Maximum peak current	Maximum energy	Short-time applied voltage 5min.	(A)	(V)	V1mA
	AC.(Vrms)	DC.(V)	8/20 μs (A) one time	(J)	(VDC)			(V)
CVA30A270M-□W	11.0	16.0	50	1	24.0	0.5	43	27
CVA40A270M-□W	11.0	16.0	100	2	24.0	1.5	43	27
CVA70A270M-□W	11.0	16.0	200	5	24.0	2.5	43	27
CVA80A270M-□R	11.0	16.0	500	10	24.0	5.0	43	27
CVA90A270M-□R	11.0	16.0	1,000	50	24.0	10.0	43	27

\* Specify the taped product (T) or bulk product (B) for □.