

MULTILAYER CHIP VARISTORS [CVG30A · 40A Series]

The multilayer chip varistor, CVG Series, is a surge absorbing ceramic varistor developed for high-density surface mounting. The compact varistor has a multilayer structure for high maximum peak current.

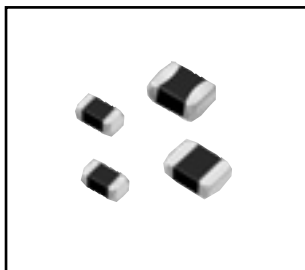
■ Features

- Very large maximum peak current in compact sizes.
- The zinc oxide material ensures high reliability with excellent nonlinearity and response.
- It is possible to supply in embossed taping best for automatic mounting.
- RoHS Compliant.

■ Applications

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

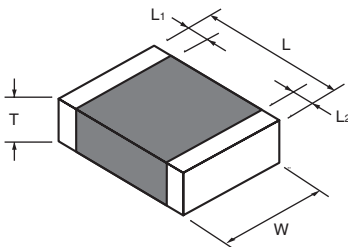
Operating temperature range : -40°C~+125°C



■ Part Number System

CVG	30	A	120	M	-T(B)	W
Series	Style	Capacitance A : High capacitance	Varistor voltage 120 : 12V	Varistor voltage tolerance M : ±20%	Packing form T:Taping B:Bulk	Termination W : Ag

■ Dimensions



Unit : mm

Type	EIA Symbol	L	W	T	L1 • L2
CVG30A	1206	3.2±0.2	1.6±0.2	~390:1.0±0.2 470~:1.25±0.2	0.6 +0.3 -0.2
CVG40A	1210	3.2±0.2	2.5±0.2	~390:1.0±0.2 470~:1.25±0.2	0.6 +0.3 -0.2

*T changes according to the varistor voltage.

■ Part Number List • Specifications

Part number	Maximum rating				Maximum clamping voltage		Varistor voltage		Capacitance
	Maximum allowable voltage		Maximum peak current 8/20 μs(A)	Maximum energy (J)			V1mA		
	AC.(Vrms)	DC.(V)			(A)	(V)	(V)	(pF)	
CVG30A120M	6	8.5	160	1	2	22	12	1,811	
CVG30A180M	9.1	12.8	160	1	2	32	18	1,208	
CVG30A220M	12	16.5	160	1	2	40	22	988	
CVG30A270M	17	22	160	1	2	50	27	805	
CVG30A330M	20	26	160	1	2	60	33	659	
CVG30A390M	25	30	160	1	2	70	39	568	
CVG30A470M	28	36	160	1	2	83	47	484	
CVG30A560M	33	43	160	1	2	98	56	412	
CVG40A120M	6	8.5	315	2	5	22	12	3,623	
CVG40A180M	9.1	12.8	315	2	5	32	18	2,415	
CVG40A220M	12	16.5	315	2	5	40	22	1,976	
CVG40A270M	17	22	315	2	5	50	27	1,610	
CVG40A330M	20	26	315	2	5	60	33	1,317	
CVG40A390M	25	30	315	2	5	70	39	1,136	
CVG40A470M	28	36	315	2	5	83	47	968	
CVG40A560M	33	43	315	2	5	98	56	824	

* Dimensions and electric characteristics other than described are available by request. Please contact our sales department for details.