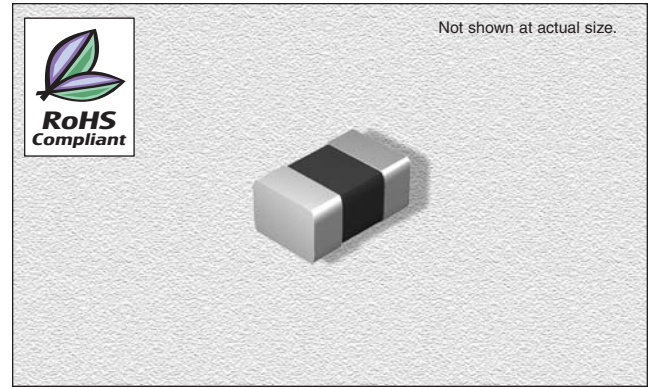


CTCCV1608V Series

(Very Low Capacitance)



CHARACTERISTICS

Description: SMD chip varistor

Applications: Provide high reliability for surface mount application. Wide operating voltage range (VW (DC) = 5.5V to 56V). High transient current capability. Good solderability, (Ni, Sn plating).

Packaging: Tape & Reel

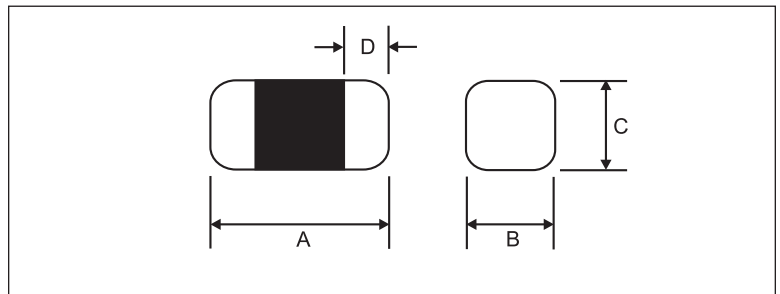
Miscellaneous: RoHS Compliant

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D
mm	1.6±0.15	0.8±0.15	0.95	0.30±0.20
inches	0.063±0.006	0.03±0.006	0.037	0.012±0.008



APPLICATIONS

- Transient Voltage Protection for IC and Transistor.
- ESD and I/O Protection.
- Telecommunication Transient Protection.
- EFT/Burst Protection.

SPECIFICATIONS

Part Number	Maximum Ratings		Electrical Characteristics			
	Working Voltage		Varistor Voltage @1mA DC		Maximum Clamping Voltage	Typical Capacitance
	AC RMS	DC	Min.	Max.	8/20µs	@1MHz(*)
	Volts	Volts	Volts	Volts	Volts	pF
	VWAC	VWDC ¹	Vv		Vc ²	C
CTCCV1608V-050T-100	4.0	5.5	9.7	13.5	35	10
CTCCV1608V-050T-400	4.0	5.5	9.7	13.5	30	40
CTCCV1608V-050T-101	4.0	5.5	9.7	13.5	25	100
CTCCV1608V-080T-100	5.7	8.0	14.0	17.8	40	10
CTCCV1608V-080T-400	5.7	8.0	14.0	17.8	35	40
CTCCV1608V-080T-101	5.7	8.0	14.0	17.8	30	100
CTCCV1608V-140T-100	10.0	14.0	18.0	24.0	45	10
CTCCV1608V-140T-400	10.0	14.0	18.0	24.0	40	40
CTCCV1608V-180T-050	12.7	18.0	24.0	32.0	70	5
CTCCV1608V-180T-100	12.7	18.0	24.0	32.0	60	10
CTCCV1608V-180T-400	12.7	18.0	24.0	32.0	50	40

1) VWDC: Leakage Current at 25°C is under 20µA at VWDC.

2) Vc: Maximum Peak voltage at a specific pulse current and waveform

Pulse & waveform

1A 8/20µs

*Parts with other electrical characteristics available upon request.

03.01.07



Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US 949-453-1811 Outside US

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