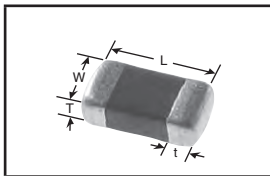


AVX Ceramic Transient Voltage Suppressors

TRANSQUARD™ SURFACE MOUNT CERAMIC TRANSIENT VOLTAGE SUPPRESSORS

Features:

- Ni/Sn Alloy(Plated)
- Operation temp: -55°C to +125°C
- Meets IEC 1000 -4 specifications
- All standard surface mount
- TransGuard chips are unmarked



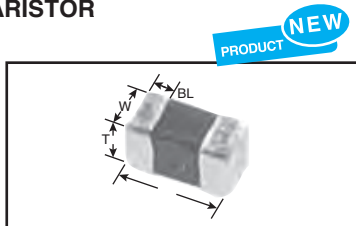
DIMENSIONS: mm (in.)				
Size	L	W	T	t
0201	.60±.03(.024±.001)	.30±.011(.024±.001)	.33(.013)	.15±.006(.024±.001)
0402	1.00±.10(.040±.004)	.50±.020(.024±.001)	.6(.024)	25±.010(.024±.001)
0603	1.60±.15(.063±.006)	.80±.031(.024±.001)	.9(.035)	.35±.014(.024±.001)
0805	2.01±.20(.079±.008)	1.25±.049(.024±.001)	1.02(.04)	.71 max(.028 max.)
1206	3.20±.20(.126±.008)	1.60±.063(.024±.001)	1.02(.04)	.71 max(.028 max.)
1210	3.20±.20(.126±.008)	2.49±.098(.126±.008)	1.70(.067)	.71 max(.028 max.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Size	V _W (DC)	V _W (AC)	V _B	V _C	I _{vc}	I _L	E _T	I _p	Cap. (pF)	Freq.	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.												1	100	500		
581	VC020103V101WP	0201	3.5	2	4.76-8.84	14	1	50	0.02	10	100	-	.08	.058	.048	10000	.032
581	VC020103V121WP	0201	3.5	2	4.76-8.84	14	1	50	0.02	10	125	-	.08	.058	.048	10000	.032
581	VC020103V151WP	0201	3.5	2.0	4.76-8.84	14	1	50	0.02	10	150	-	.08	.058	.048	10000	.032
581	VC020105V101WP	0201	5.6	4.0	6.4-9.6	17	1	50	0.02	4	100	-	.08	.058	.048	10000	.032
581	VC020105T150WP	0201	5.6	4	10-15.6	35	1	5	0.01	1	15	-	.08	.058	.048	10000	.032
581	VC020105T330WP	0201	5.6	4	10-15.6	35	1	5	0.01	1	33	-	.08	.058	.048	10000	.032
581	VC020105T500WP	0201	5.6	4	10-15.6	35	1	50	0.01	5	50	-	.08	.058	.048	10000	.032
581	VC020105T101WP	0201	5.6	4	10-15.6	35	1	50	0.01	5	100	-	.08	.058	.048	10000	.032
581	VC020107V101WP	0201	7	5.6	9.6-14.4	20	1	50	0.02	5	100	-	.08	.058	.048	10000	.032
581	VC020116T150WP	0201	16	11	21.7-29.3	45	1	50	0.01	1	15	-	.08	.058	.048	10000	.04
581	VC040205X150WP	0402	5.6	4	8.5±20%	18	1	35	0.05	20	175	M	.32	.22	.18	10000	.175
581	VC040209X200WP	0402	9	6.4	12.7±15%	22	1	25	0.05	20	175	M	.32	.22	.18	10000	.175
581	VC040214X300WP	0402	14	10	18.5±12%	32	1	15	0.05	20	100	M	.32	.22	.18	10000	.175
581	VC040218X400WP	0402	18	13	25.5±10%	42	1	10	0.05	20	65	M	.32	.22	.18	10000	.175
581	VC060303A100DP	0603	3.3	2.3	5.0±20%	12	1	100	0.1	30	1450	K	.28	.24	.22	1000	.15
581	VC060305A150DP	0603	5.6	4	8.5±20%	18	1	35	0.01	30	750	K	.47	.32	.27	1000	.181
581	VC060309A200DP	0603	9	6.4	12.7±15%	22	1	25	0.1	30	550	K	.28	.24	.22	1000	.15
581	VC060314A300DP	0603	14	10	18.5±12%	32	1	15	0.1	30	350	K	.28	.24	.22	1000	.15
581	VC060318A400DP	0603	18	13	25.5±10%	42	1	10	0.1	30	150	K	.28	.24	.22	1000	.15
581	VC060330A650DP	0603	30	21	41.0±10%	67	1	10	0.1	30	125	K	.28	.24	.22	1000	.15
581	VC080503A100DP	0805	3.3	2.3	5.0±20%	12	1	100	0.1	40	1400	K	.39	.24	.187	1000	.176
581	VC080503C100DP	0805	3.3	2.3	5.0±20%	12	1	100	0.3	120	5000	K	.43	.31	.26	1000	.24
581	VC080505A150DP	0805	5.6	4	8.5±20%	18	1	35	0.1	40	1100	K	.39	.26	.22	1000	.149
581	VC080505C150DP	0805	5.6	4	8.5±20%	18	1	35	0.3	120	3000	K	.43	.31	.26	1000	.24
581	VC080509A200DP	0805	9	6.4	12.7±15%	22	1	25	0.1	40	750	K	.39	.24	.187	1000	.176
581	VC080512A250DP	0805	12	8.5	16±15%	27	1	25	0.1	40	525	K	.39	.24	.187	1000	.176
581	VC080514A300DP	0805	14	10	18.5±12%	32	1	15	0.1	40	325	K	.39	.24	.187	1000	.176
581	VC080514C300DP	0805	14	10	18.5±12%	32	1	15	0.3	120	900	K	.43	.31	.26	1000	.24
581	VC080518A400DP	0805	18	13	25.5±10%	42	1	10	0.1	30	225	K	.39	.24	.187	1000	.176
581	VC080518C400DP	0805	18	13	25.5±10%	42	1	10	0.3	100	550	K	.43	.31	.26	1000	.24
581	VC080526A580DP	0805	26	18	34.5±10%	60	1	10	0.1	30	120	K	.39	.24	.187	1000	.176
581	VC080526C580DP	0805	26	18	34.5±10%	60	1	10	0.3	100	250	K	.43	.31	.26	1000	.24
581	VC080530A650DP	0805	30	21	41.0±10%	67	1	10	0.1	30	90	M	.39	.24	.187	1000	.176
581	VC120603A100DP	1206	3.3	2.3	5.0±20%	12	1	100	0.1	40	1250	K	.36	.32	.30	1000	.203
581	VC120603D100DP	1206	3.3	2.3	5.0±20%	12	1	35	0.4	150	4700	K	.70	.49	.40	1000	.38
581	VC120605A150DP	1206	5.6	4	8.5±20%	18	1	35	0.1	40	1200	K	.36	.32	.30	1000	.203
581	VC120605D150DP	1206	5.6	4	8.5±20%	18	1	35	0.1	150	3000	K	.70	.49	.40	1000	.38
581	VC120614A300DP	1206	14	10	18.5±12%	32	1	15	0.01	40	600	K	.36	.32	.30	1000	.203
581	VC120614D300DP	1206	14	10	18.5±12%	32	1	15	0.4	150	1050	K	.70	.49	.40	1000	.27
581	VC120618A400DP	1206	18	13	25.5±10%	42	1	10	0.1	30	350	K	.36	.32	.30	1000	.203
581	VC120618D400DP	1206	18	13	25.5±10%	42	1	10	0.4	150	900	K	.70	.49	.40	1000	.38
581	VC120626D580DP	1206	26	18	34.5±10%	60	1	10	0.4	120	500	K	.70	.49	.40	1000	.38
581	VC120630D650DP	1206	30	21	41.0±10%	67	1	10	0.4	120	400	K	.70	.49	.40	1000	.38
581	VC120648D101DP	1206	48	34	62.0±10%	100	1	10	0.4	100	225	K	.70	.49	.44	1000	.41
581	VC121030G620DP	1210	30	21	41.0±10%	67	5	10	0.9	220	1750	K	.69	.62	.55	1000	.48
581	VC121030H620DP	1210	30	21	41.0±10%	67	5	10	1.2	280	1850	K	.69	.62	.54	1000	.41
581	VC121048G101DP	1210	48	34	62.0±10%	100	5	10	0.9	220	450	K	.66	.58	.55	1000	.53
581	VC121048H101DP	1210	48	34	62.0±10%	100	5	10	1.2	250	500	K	1.10	.85	.69	1000	.41
581	VC121060J121DP	1210	60	42	76.0±10%	120	5	10	1.5	250	400	K	.95	.66	.60	1000	.58
581	VC121060KBA	1210	60	42	76.0±10%	126	10	25	1.5	250	600	K	.72	.58	.47	2000	.33

AVX MINIATURE CAN BUS VARISTOR

The CAN BUS and FlexRay varistor is a zinc oxide (ZnO) based ceramic semiconductor device with non-linear voltage-current characteristics (bi-directional) similar to back-to-back Zener diodes and an EMC capacitor in parallel (see equivalent circuit model). They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by a ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor like behavior.



DIMENSIONS: mm (in.)				
Size	L	W	T	BL
0402	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.60 max (0.024 max)	0.25±0.15 (0.010±0.006)
0405	1.00±0.15 (0.039±0.006)	1.37±0.15 (0.054±0.006)	0.66 max (0.026 max)	0.36±0.10 (0.014±0.004)
0612	1.60±0.20 (0.063±0.008)	3.20±0.20 (0.126±0.008)	1.22 max (0.048 max)	0.41±0.10 (0.016±0.010)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Size	V _B	I _L	E _T	I _p	Cap.	Elements	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.								1	100	500		
581	CAN0005WP	0402	33	2	0.015	4	37	1	.25	.18	.16	10000	.125
581	CAN0002DP	0405	70	2	0.015	4	22	2	.61	.45	.40	1000	.36
581	CAN0004DP	0612	100	2	0.015	4	22	4	.92	.69	.62	1000	.55
581	FLX0005WP	0402	26	5	0.02	4	17	1	.53	.35	.24	4000	.18

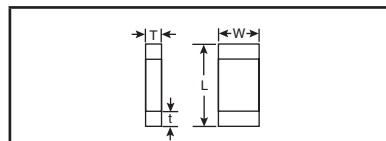
MULTILAYER CERAMIC TRANSIENT VOLTAGE SUPPRESSORS

ESD Protection for any Circuit Sensitive to Capacitance

Features:

- High Reliability
- Capacitance: <1pF
- Bi-Directional protection
- Fastest response time to ESD strikes
- Multi-strike capability
- Low insertion loss
- Low profile 0402 case size

DIMENSIONS: mm (in.)				
Size	L	W	T	t
0402	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.35 (0.014)	0.25±0.15 (0.010±0.006)



MOUSER STOCK NO.		V _W (DC)	V _B	I _L	t	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100	500		
581	VCH4AG150R4MATWA	<15	135	<100nA	0.47 max	20	.11	.078	.064	10000	.043

For quantities greater than listed, call for quote.

HIGH TEMP. AUTOMOTIVE MULTILAYER VARISTORS

Designed for underhood application

Features:

- Rated at 150°C
- AEC Q200 qualified
- ESD rating to 25kV contact
- EMI/RFI attenuation in off state
- Excellent current and energy handling

Specifications:

- V_W (DC): ≤18
- V_W (AC): ≤14

DIMENSIONS: mm (in.)				
Size	L	W	T	BL
0402	1.00±0.15 (0.039±0.006)	1.37±0.15 (0.054±0.006)	0.66 max (0.026 max)	0.20±0.10 (0.008±0.004)
0405	1.60±0.15 (0.063±0.006)	0.80±0.15 (0.032±0.006)	0.90 max (0.035 max)	0.35±0.15 (0.014±0.006)
0603	1.60±0.15 (0.063±0.006)	0.80±0.15 (0.032±0.006)	0.90 max (0.035 max)</	