

MLVs, TVS Diodes, and Polysurg Devices



MLVA AND MLVB SERIES: MULTILAYER VARISTORS PROVIDE ESD PROTECTION IN DISCRETE 0201, 0402, 0603 SMD PACKAGES

RoHS Compliant This page of product is RoHS compliant.

Features

- Zinc oxide based ceramic chip
- 0402 meet IEC 61000-4-4 and 61000-4-5
- Low profile designs for board space savings
- Low and stable leakage current reduces power consumption
- Halogen free and RoHS compliant for global applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bussmann Part No.	Package Size	Voltage (VDC)	Varistor Voltage @ 1mA DC	Clamping Voltage	Capacitance (pF)	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
MLVA Series - Standard											
504-MLVA02V05C033	MLVA02V05C033	0201	5.5	8-14	30	33	.55	.318	.254	15000	.087
504-MLVA02V05C047	MLVA02V05C047	0201	5.5	8-14	26	47	.55	.318	.254	15000	.087
504-MLVA02V05C064	MLVA02V05C064	0201	5.5	8-14	26	64	.55	.318	.254	15000	.087
504-MLVA04V09C130	MLVA04V09C130	0402	9	10-15	32	130	.16	.137	.116	10000	.05
504-MLVA06V09C210	MLVA06V09C210	0603	9	10-15	27	210	.44	.288	.235	4000	.108
504-MLVA04V14C090	MLVA04V14C090	0402	14	14.4-21.6	38	90	.52	.289	.219	10000	.064
504-MLVA04V18C085	MLVA04V18C085	0402	18	17.6-26.4	45	85	.16	.137	.116	10000	.05
504-MLVA06V18C130	MLVA06V18C130	0603	18	17.6-26.4	40	130	.44	.288	.235	4000	.108
504-MLVA06V26C100	MLVA06V26C100	0603	26	24.8-37.2	58	100	.44	.288	.235	4000	.108
MLVB Series - Low Capacitance											
504-MLVB04V09C005	MLVB04V09C005	0402	9	11-17	35	5	.47	.273	.218	10000	.075
504-MLVB06V09C005	MLVB06V09C005	0603	9	11-17	35	5	.32	.29	.244	4000	.116
504-MLVB04V18C003	MLVB04V18C003	0402	18	22-34	58	3	.19	.174	.142	10000	.06
504-MLVB04V18C001	MLVB04V18C001	0402	18	46-60	1110	1	.19	.174	.142	10000	.06
504-MLVB06V18C003	MLVB06V18C003	0603	18	22-34	58	3	.54	.355	.198	4000	.08
504-MLVB06V18C001	MLVB06V18C001	0603	18	46-60	110	1	.42	.279	.155	4000	.08



POLYSURG: ULTRA-LOW CAPACITANCE ESD PROTECTION IN A DISCRETE 0402 SMD DEVICE

Features:

- Halogen free
- RoHS compliant for global applications
- Lead free
- Ultra-low capacitance (0.05pF typ.) ideal for high speed data applications
- Low leakage current (<0.1nA typ.) reduces power consumption
- (Sn) Tin-plated version available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bussmann Part No.	Package Size	Working (Vrms) (VDC)	Voltage (VDC)	Varistor Voltage @ 1mA DC (V)	Clamping Voltage (Typ.) (V)	Capacitance (pF)	ESD Pulse Withstand	Price Each			Reel Qty.	Price Per Piece
									1	10	100		
504-PS04LTV1	PS04LTV1	0402	12	25	150	25	.05	>1000	.49	.324	.264	10000	.106
504-0402ESDA-MLP1	0402ESDA-MLP1	0402	30	35	300	35	.15	>1000	.40	.266	.217	10000	.087
504-0603ESDA2-TR2	0603ESDA2-TR2	0603	30	35	350	35	.10	>500	.49	.284	.227	5000	.085



TVSA SERIES: LOW CAPACITANCE TRANSIENT VOLTAGE SUPPRESSOR FOR ESD PROTECTION IN A DISCRETE 0402 SMD PACKAGE

Features

- Silicon based chip
- Low capacitance to meet the needs for high speed single transient voltage protection
- Low leakage current reduces power consumption
- Lead free, halogen free and RoHS compliant for global applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bussmann Part No.	Package Size	Stand-Off Voltage	Breakdown Voltage	Clamping Voltage at 0I Peak = 1A	Capacitance (pF)	ESD Air/Contact (kV)	Price Each			Reel Qty.	Price Per Piece
								1	10	100		
504-TVSA04V05C006	TVSA04V05C006	0402	5	10	17	6	15/8	.44	.288	.235	10000	.095



TVS DIODE ARRAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microsemi Part No.	Package	Channels	Operating Voltage (V)	Capacitance (pF)	Breakdown Voltage (V)	Polarity	Operating Temperature (°C)	Price Each			
									1	10	100	1000
494-USB50405CE3/TR7	USB50405CE3/TR7	SOT-143-4	1	5	3	6	Bidirectional	-55 to +150	1.55	1.25	1.00	.725
494-SMBJ5.0AE3/TR13	SMBJ5.0AE3/TR13	DO-214AA-2	1	5	-	7	Unidirectional	-65 to +150	.64	.496	.32	.256
494-UPTB15E3/TR7	UPTB15E3/TR7	DO-216AA-2	1	15	-	16.7	Bidirectional	-65 to +150	1.73	1.40	1.12	.812
494-MSMBJ15AE3	MSMBJ15AE3	DO-214AA-2	1	15	-	16.7	Unidirectional	-65 to +150	1.82	1.47	1.18	.855
494-SMBJ15CAE3/TR13	SMBJ15CAE3/TR13	DO-214AA-2	1	15	-	18.5	Bidirectional	-65 to +150	.64	.496	.32	.256
494-MSMCJ24AE3	MSMCJ24AE3	DO-214AB-2	1	24	-	26.7	Unidirectional	-65 to +150	2.60	2.10	1.68	1.21
494-SMBJ33CAE3/TR13	SMBJ33CAE3/TR13	DO-214AA-2	1	33	-	40.6	Bidirectional	-65 to +150	.64	.496	.32	.256
494-SMAJ78AE3/TR13	SMAJ78AE3/TR13	DO-214AC	1	78	-	86.7	Unidirectional	-65 to +150	.48	.361	.227	.17
494-USB50805CE3/TR7	USB50805CE3/TR7	SO-8	2	5	3	6	Unidirectional	-55 to +150	2.23	1.80	1.44	1.04
494-SMDA05CE3/TR7	SMDA05CE3/TR7	SO-8	4	5	200	6	Bidirectional, Unidirectional	-55 to +150	2.72	2.20	1.76	1.27
494-SMDA05/TR7	SMDA05/TR7	SO-8	4	5	400	6	Bidirectional, Unidirectional	-55 to +150	4.05	3.26	2.97	2.03
494-SMDA05-6E3/TR7	SMDA05-6E3/TR7	SO-8	4	5	400	6	Bidirectional, Unidirectional	-55 to +150	2.38	1.92	1.54	1.11
494-SMDA15CE3/TR7	SMDA15CE3/TR7	SO-8	4	15	70	16.7	Bidirectional, Unidirectional	-55 to +150	2.72	2.20	1.76	1.27
494-SMDA15-6E3/TR7	SMDA15-6E3/TR7	SO-8	4	15	140	16.7	Bidirectional, Unidirectional	-55 to +150	2.38	1.92	1.54	1.11
494-SMDA24C/TR7	SMDA24C/TR7	SO-8	4	24	45	26.7	Bidirectional, Unidirectional	-55 to +150	4.92	3.96	3.60	2.46
494-SMDA24E3/TR7	SMDA24E3/TR7	SO-8	4	24	90	26.7	Bidirectional, Unidirectional	-55 to +150	2.26	1.82	1.46	1.05



TVS DIODE ARRAYS WE-TV5

Features:

- ESD Protection for 5 Lines - unidirectional
- Array of surge rated equivalent TVS diodes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Package Size	Capacitance (pF)	Clamping Voltage	Channels	Breakdown Voltage	Pin Count	Polarity	Price Each	
									1	10
710-82402305	82402305	SOT23-6L	13	6.8	5	6V	6	Unidirectional	.81	.773