

# BOURNS Discrete TVS Chip Diodes

Device Type	
U	Unidirectional
B	Bidirectional

### Specifications:

- Operating Temp. Range: -55°C to +150°C
- Storage Temp. Range: -55°C to +175°C

### Applications:

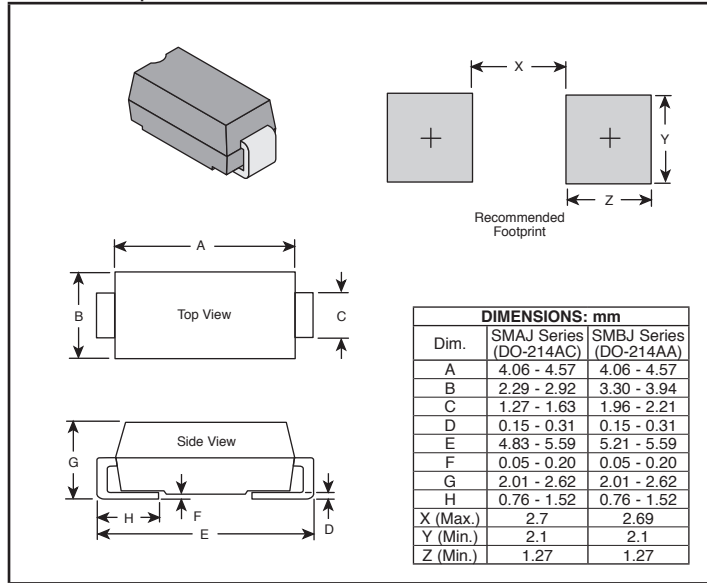
- IEC 61000-4-2 ESD (Min. Level 4)
- IED 61000-4-4 EFT
- IED 61000-4-5 Surge

This page of product is RoHS compliant.

## SMAJ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RWM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMAJ5.0A	SMAJ5.0A	U	6.40	7.00	5	9.2	.50	.295	.139	.107
652-SMAJ6.0A	SMAJ6.0A	U	6.67	7.37	6	10.3	.50	.295	.139	.107
652-SMAJ6.5A	SMAJ6.5A	U	7.22	7.98	6.5	11.2	.50	.295	.139	.107
652-SMAJ7.0A	SMAJ7.0A	U	7.78	8.60	7	12.0	.50	.295	.139	.107
652-SMAJ7.5A	SMAJ7.5A	U	8.33	9.21	7.5	12.9	.50	.295	.139	.107
652-SMAJ8.0A	SMAJ8.0A	U	8.89	9.83	8	13.6	.50	.295	.139	.107
652-SMAJ8.5A	SMAJ8.5A	U	9.44	10.40	8.5	14.4	.50	.295	.139	.107
652-SMAJ9.0A	SMAJ9.0A	U	10.00	11.10	9	15.4	.50	.295	.139	.107
652-SMAJ10A	SMAJ10A	U	11.1	12.3	10	17.0	.50	.295	.139	.107
652-SMAJ11A	SMAJ11A	U	12.2	13.2	11	18.2	.50	.295	.139	.107
652-SMAJ12A	SMAJ12A	U	13.3	14.7	12	19.9	.50	.295	.139	.107
652-SMAJ13A	SMAJ13A	U	14.4	15.9	13	24.2	.50	.295	.139	.107
652-SMAJ14A	SMAJ14A	U	15.6	17.2	14	23.2	.50	.295	.139	.107
652-SMAJ15A	SMAJ15A	U	16.7	18.5	15	24.4	.50	.295	.139	.107
652-SMAJ16A	SMAJ16A	U	17.8	19.7	16	26.0	.50	.295	.139	.107
652-SMAJ17A	SMAJ17A	U	18.9	20.9	17	27.6	.50	.295	.139	.107
652-SMAJ18A	SMAJ18A	U	20.0	22.1	18	29.2	.50	.295	.139	.107
652-SMAJ20A	SMAJ20A	U	22.2	24.5	20	32.4	.50	.295	.139	.107
652-SMAJ22A	SMAJ22A	U	24.4	26.9	22	35.5	.50	.295	.139	.107
652-SMAJ24A	SMAJ24A	U	26.7	29.5	24	38.9	.50	.295	.139	.107
652-SMAJ26A	SMAJ26A	U	28.9	31.9	26	42.1	.50	.295	.139	.107
652-SMAJ28A	SMAJ28A	U	31.1	34.4	28	45.4	.50	.295	.139	.107
652-SMAJ30A	SMAJ30A	U	33.3	36.8	30	48.4	.50	.295	.139	.107
652-SMAJ33A	SMAJ33A	U	36.7	40.6	33	53.3	.50	.295	.139	.107
652-SMAJ36A	SMAJ36A	U	40	44.2	36	58.1	.50	.295	.139	.107
652-SMAJ40A	SMAJ40A	U	44.4	49.1	40	64.5	.50	.295	.139	.107
652-SMAJ43A	SMAJ43A	U	47.8	52.8	43	69.4	.50	.295	.139	.107
652-SMAJ45A	SMAJ45A	U	50	55.3	45	72.7	.50	.295	.139	.107
652-SMAJ48A	SMAJ48A	U	53.3	58.9	48	77.4	.50	.295	.139	.107
652-SMAJ51A	SMAJ51A	U	56.7	62.7	51	82.4	.50	.295	.139	.107
652-SMAJ54A	SMAJ54A	U	60	66.3	54	87.1	.50	.295	.139	.107
652-SMAJ58A	SMAJ58A	U	64.4	71.2	58	93.6	.50	.295	.139	.107
652-SMAJ60A	SMAJ60A	U	66.7	73.7	60	96.8	.50	.295	.139	.107
652-SMAJ64A	SMAJ64A	U	71.1	78.6	64	103	.50	.295	.139	.107
652-SMAJ70A	SMAJ70A	U	77.8	86.0	70	113	.50	.295	.139	.107
652-SMAJ75A	SMAJ75A	U	83.3	92.1	75	121	.50	.295	.139	.107
652-SMAJ78A	SMAJ78A	U	86.7	95.8	78	126	.50	.295	.139	.107
652-SMAJ85A	SMAJ85A	U	94.4	104	85	137	.50	.295	.139	.107
652-SMAJ90A	SMAJ90A	U	100	111	90	146	.50	.295	.139	.107
652-SMAJ100A	SMAJ100A	U	111	123	100	162	.51	.30	.142	.109
652-SMAJ120A	SMAJ120A	U	133	147	120	193	.51	.30	.142	.109
652-SMAJ130A	SMAJ130A	U	144	159	130	209	.51	.30	.142	.109
652-SMAJ150A	SMAJ150A	U	167	185	150	243	.51	.30	.142	.109
652-SMAJ160A	SMAJ160A	U	178	197	160	259	.51	.30	.142	.109
652-SMAJ170A	SMAJ170A	U	189	209	170	275	.51	.30	.142	.109
652-SMAJ5.0CA	SMAJ5.0CA	B	6.40	7.00	5.0	9.2	.40	.27	.151	.11
652-SMAJ6.0CA	SMAJ6.0CA	B	6.67	7.37	6.0	10.3	.40	.27	.151	.11
652-SMAJ6.5CA	SMAJ6.5CA	B	7.22	7.98	6.5	11.2	.40	.27	.151	.11
652-SMAJ7.0CA	SMAJ7.0CA	B	7.78	8.60	7.0	12.0	.40	.27	.151	.11
652-SMAJ7.5CA	SMAJ7.5CA	B	8.33	9.21	7.5	12.9	.40	.27	.151	.11
652-SMAJ8.0CA	SMAJ8.0CA	B	8.89	9.83	8.0	13.6	.40	.27	.151	.11
652-SMAJ8.5CA	SMAJ8.5CA	B	9.44	10.4	8.5	14.4	.40	.27	.151	.11
652-SMAJ9.0CA	SMAJ9.0CA	B	10.0	11.1	9.0	15.4	.40	.27	.151	.11
652-SMAJ10CA	SMAJ10CA	B	11.1	12.3	10	17.0	.40	.27	.151	.11
652-SMAJ11CA	SMAJ11CA	B	12.2	13.2	11	18.2	.40	.27	.151	.11
652-SMAJ12CA	SMAJ12CA	B	13.3	14.7	12	19.9	.40	.27	.151	.11
652-SMAJ13CA	SMAJ13CA	B	14.4	15.9	13	21.5	.40	.27	.151	.11
652-SMAJ14CA	SMAJ14CA	B	15.6	17.2	14	23.2	.40	.27	.151	.11
652-SMAJ15CA	SMAJ15CA	B	16.7	18.5	15	24.4	.40	.27	.151	.11
652-SMAJ16CA	SMAJ16CA	B	17.8	19.7	16	26.0	.40	.27	.151	.11
652-SMAJ17CA	SMAJ17CA	B	18.9	20.9	17	27.6	.40	.27	.151	.11
652-SMAJ18CA	SMAJ18CA	B	20.0	22.1	18	29.2	.40	.27	.151	.11
652-SMAJ20CA	SMAJ20CA	B	22.2	24.5	20	32.4	.40	.27	.151	.11
652-SMAJ22CA	SMAJ22CA	B	24.4	26.9	22	35.5	.40	.27	.151	.11
652-SMAJ24CA	SMAJ24CA	B	26.7	29.5	24	38.9	.40	.27	.151	.11
652-SMAJ26CA	SMAJ26CA	B	28.9	31.9	26	42.1	.40	.27	.151	.11
652-SMAJ28CA	SMAJ28CA	B	31.1	34.4	28	45.4	.40	.27	.151	.11
652-SMAJ30CA	SMAJ30CA	B	33.3	36.8	30	48.4	.40	.27	.151	.11
652-SMAJ33CA	SMAJ33CA	B	36.7	40.6	33	53.3	.40	.27	.151	.11
652-SMAJ36CA	SMAJ36CA	B	40	44.2	36	58.1	.40	.27	.151	.11
652-SMAJ40CA	SMAJ40CA	B	44.4	49.1	40	64.5	.40	.27	.151	.11
652-SMAJ43CA	SMAJ43CA	B	47.8	52.8	43	69.4	.40	.27	.151	.11
652-SMAJ45CA	SMAJ45CA	B	50	55.3	45	72.7	.40	.27	.151	.11
652-SMAJ48CA	SMAJ48CA	B	53.3	58.9	48	77.4	.40	.27	.151	.11
652-SMAJ51CA	SMAJ51CA	B	56.7	62.7	51	82.4	.40	.27	.151	.11
652-SMAJ54CA	SMAJ54CA	B	60	66.3	54	87.1	.40	.27	.151	.11
652-SMAJ58CA	SMAJ58CA	B	64.4	71.2	58	93.6	.40	.27	.151	.11
652-SMAJ60CA	SMAJ60CA	B	66.7	73.7	60	96.8	.40	.27	.151	.11
652-SMAJ64CA	SMAJ64CA	B	71.1	78.6	64	103	.40	.27	.151	.11
652-SMAJ70CA	SMAJ70CA	B	77.8	86.0	70	113	.40	.27	.151	.11
652-SMAJ75CA	SMAJ75CA	B	83.3	92.1	75	121	.40	.27	.151	.11
652-SMAJ78CA	SMAJ78CA	B	86.7	95.8	78	126	.40	.27	.151	.11
652-SMAJ85CA	SMAJ85CA	B	94.4	104	85	137	.40	.27	.151	.11
652-SMAJ90CA	SMAJ90CA	B	100	111	90	146	.40	.27	.151	.11
652-SMAJ100CA	SMAJ100CA	B	111	123	100	162	.42	.279	.156	.113
652-SMAJ110CA	SMAJ110CA	B	122	135	110	177	.42	.279	.156	.113
652-SMAJ120CA	SMAJ120CA	B	133	147	120	193	.42	.279	.156	.113
652-SMAJ130CA	SMAJ130CA	B	144	159	130	209	.42	.279	.156	.113



## SMAJ SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RWM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMAJ150CA	SMAJ150CA	B	167	185	150	243	.42	.279	.156	.113
652-SMAJ160CA	SMAJ160CA	B	178	197	160	259	.42	.279	.156	.113
652-SMAJ170CA	SMAJ170CA	B	189	209	170	275	.42	.279	.156	.113

## SMBJ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RWM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMBJ5.0A	SMBJ5.0A	U	6.40	7.25	5.0	9.2	.51	.30	.142	.109
652-SMBJ6.0A	SMBJ6.0A	U	6.67	7.67	6.0	10.3	.51	.30	.142	.109
652-SMBJ6.5A	SMBJ6.5A	U	7.22	8.30	6.5	11.2	.51	.30	.142	.109
652-SMBJ7.0A	SMBJ7.0A	U	7.78	8.95	7.0	12.0	.51	.30	.142	.109
652-SMBJ7.5A	SMBJ7.5A	U	8.33	9.58	7.5	12.9	.51	.30	.142	.109
652-SMBJ8.0A	SMBJ8.0A	U	8.89	10.2	8.0	13.6	.51	.30	.142	.109
652-SMBJ8.5A	SMBJ8.5A	U	9.44	10.8	8.5	14.4	.51	.30	.142	.109
652-SMBJ9.0A	SMBJ9.0A	U	10.0	11.5	9.0	15.4	.51	.30	.142	.109
652-SMBJ10A	SMBJ10A	U	11.1	12.8	10	17.0	.51	.30	.142	.109
652-SMBJ11A	SMBJ11A	U	12.2	14.4	11	18.2	.51	.30	.142	.109
652-SMBJ12A	SMBJ12A	U	13.3	15.3	12	19.9	.51	.30	.142	.109
652-SMBJ13A	SMBJ13A	U	14.4	16.5	13	21.5	.51	.30	.142	.109
652-SMBJ14A	SMBJ14A	U	15.6	17.9						