

# BOURNS Discrete TVS Chip Diodes

BOURNS®

Bourns Transient Protection

Device Type	
U	Unidirectional
B	Bidirectional

**Specifications:**

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

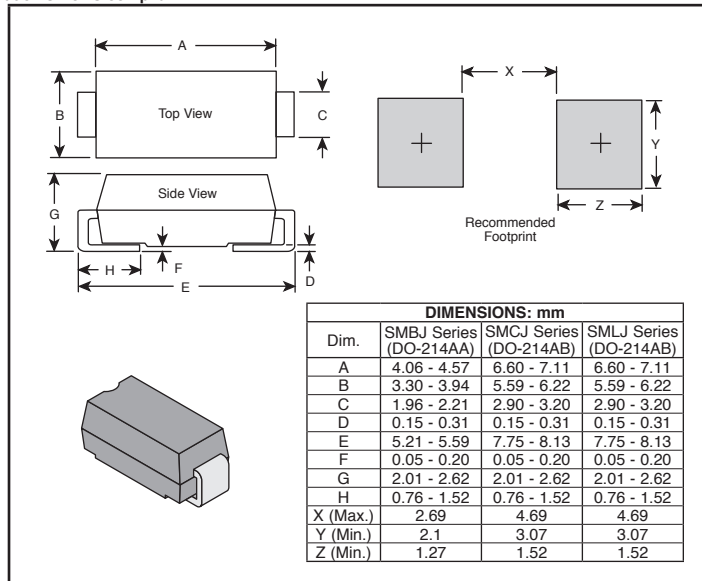
**Applications:**

- 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.

**SMBJ SERIES (CONT.)**

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RRM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMBJ9.0CA	SMBJ9.0CA	B	10.0	11.5	9.0	15.4	.42	.279	.156	.113
652-SMBJ10CA	SMBJ10CA	B	11.1	12.8	10	17.0	.42	.279	.156	.113
652-SMBJ11CA	SMBJ11CA	B	12.2	14.4	11	18.2	.42	.279	.156	.113
652-SMBJ12CA	SMBJ12CA	B	13.3	15.3	12	19.9	.42	.279	.156	.113
652-SMBJ13CA	SMBJ13CA	B	14.4	16.5	13	21.5	.42	.279	.156	.113
652-SMBJ14CA	SMBJ14CA	B	15.6	17.9	14	23.2	.42	.279	.156	.113
652-SMBJ15CA	SMBJ15CA	B	16.7	19.2	15	24.4	.42	.279	.156	.113
652-SMBJ16CA	SMBJ16CA	B	17.8	20.5	16	26.0	.42	.279	.156	.113
652-SMBJ17CA	SMBJ17CA	B	18.9	21.7	17	27.6	.42	.279	.156	.113
652-SMBJ18CA	SMBJ18CA	B	20.0	23.3	18	29.2	.42	.279	.156	.113
652-SMBJ20CA	SMBJ20CA	B	22.2	25.5	20	32.4	.42	.279	.156	.113
652-SMBJ22CA	SMBJ22CA	B	24.4	28.0	22	35.5	.42	.279	.156	.113
652-SMBJ24CA	SMBJ24CA	B	26.7	30.7	24	38.9	.42	.279	.156	.113
652-SMBJ26CA	SMBJ26CA	B	28.9	32.2	26	42.1	.42	.279	.156	.113
652-SMBJ28CA	SMBJ28CA	B	31.1	35.8	28	45.4	.42	.279	.156	.113
652-SMBJ30CA	SMBJ30CA	B	33.3	38.3	30	48.4	.42	.279	.156	.113
652-SMBJ33CA	SMBJ33CA	B	36.7	42.2	33	53.3	.42	.279	.156	.113
652-SMBJ36CA	SMBJ36CA	B	40	46.0	36	58.1	.42	.279	.156	.113
652-SMBJ40CA	SMBJ40CA	B	44.4	51.1	40	64.5	.42	.279	.156	.113
652-SMBJ43CA	SMBJ43CA	B	47.8	54.9	43	69.4	.42	.279	.156	.113
652-SMBJ45CA	SMBJ45CA	B	50	57.5	45	72.7	.42	.279	.156	.113
652-SMBJ48CA	SMBJ48CA	B	53.3	61.3	48	77.4	.42	.279	.156	.113
652-SMBJ51CA	SMBJ51CA	B	56.7	65.2	51	82.4	.42	.279	.156	.113
652-SMBJ54CA	SMBJ54CA	B	60	69	54	87.1	.42	.279	.156	.113
652-SMBJ58CA	SMBJ58CA	B	64.4	74.6	58	93.6	.42	.279	.156	.113
652-SMBJ60CA	SMBJ60CA	B	66.7	76.7	60	96.8	.42	.279	.156	.113
652-SMBJ64CA	SMBJ64CA	B	71.1	81.8	64	103	.42	.279	.156	.113
652-SMBJ70CA	SMBJ70CA	B	77.8	89.5	70	113	.42	.279	.156	.113
652-SMBJ75CA	SMBJ75CA	B	83.3	95.8	75	121	.42	.279	.156	.113
652-SMBJ78CA	SMBJ78CA	B	86.7	99.7	78	126	.42	.279	.156	.113
652-SMBJ85CA	SMBJ85CA	B	94.4	109	85	137	.42	.279	.156	.113
652-SMBJ90CA	SMBJ90CA	B	100	116	90	146	.42	.279	.156	.113
652-SMBJ100CA	SMBJ100CA	B	111	128	100	162	.43	.288	.161	.117
652-SMBJ110CA	SMBJ110CA	B	122	140	110	177	.43	.288	.161	.117
652-SMBJ120CA	SMBJ120CA	B	133	153	120	193	.43	.288	.161	.117
652-SMBJ130CA	SMBJ130CA	B	144	165	130	209	.43	.288	.161	.117
652-SMBJ150CA	SMBJ150CA	B	167	192	150	243	.43	.288	.161	.117
652-SMBJ170CA	SMBJ170CA	B	189	218	170	275	.43	.288	.161	.117



**SMCJ SERIES (CONT.)**

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RRM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMCJ6.0CA	SMCJ6.0CA	B	6.67	7.67	6	10.3	.70	.523	.329	.247
652-SMCJ6.5CA	SMCJ6.5CA	B	7.22	8.3	6.5	11.2	.70	.523	.329	.247
652-SMCJ7.0CA	SMCJ7.0CA	B	7.78	9.58	7	12	.70	.523	.329	.247
652-SMCJ7.5CA	SMCJ7.5CA	B	8.33	9.58	7.5	12.9	.70	.523	.329	.247
652-SMCJ8.0CA	SMCJ8.0CA	B	9.44	10.8	8.5	14.4	.70	.523	.329	.247
652-SMCJ8.5CA	SMCJ8.5CA	B	10	11.5	9	15.4	.70	.523	.329	.247
652-SMCJ9.0CA	SMCJ9.0CA	B	11.1	12.8	10	17	.70	.523	.329	.247
652-SMCJ10CA	SMCJ10CA	B	12.2	14.4	11	18.2	.70	.523	.329	.247
652-SMCJ11CA	SMCJ11CA	B	13.3	15.3	12	19.9	.70	.523	.329	.247
652-SMCJ12CA	SMCJ12CA	B	14.4	16.5	13	21.5	.70	.523	.329	.247
652-SMCJ13CA	SMCJ13CA	B	15.6	17.9	14	23.2	.70	.523	.329	.247
652-SMCJ14CA	SMCJ14CA	B	16.7	19.2	15	24.4	.70	.523	.329	.247
652-SMCJ15CA	SMCJ15CA	B	17.8	20.5	16	26	.70	.523	.329	.247
652-SMCJ16CA	SMCJ16CA	B	18.9	21.7	17	27.6	.70	.523	.329	.247
652-SMCJ17CA	SMCJ17CA	B	20	23.3	18	29.2	.70	.523	.329	.247
652-SMCJ18CA	SMCJ18CA	B	22.2	25.5	20	32.4	.70	.523	.329	.247
652-SMCJ20CA	SMCJ20CA	B	24.4	28	22	35.5	.70	.523	.329	.247
652-SMCJ22CA	SMCJ22CA	B	26.7	30.7	24	38.9	.70	.523	.329	.247
652-SMCJ24CA	SMCJ24CA	B	28.9	32.2	26	42.1	.70	.523	.329	.247
652-SMCJ26CA	SMCJ26CA	B	31.1	35.8	28	45.4	.70	.523	.329	.247
652-SMCJ28CA	SMCJ28CA	B	33.3	38.3	30	48.4	.70	.523	.329	.247
652-SMCJ30CA	SMCJ30CA	B	36.7	42.2	33	53.3	.70	.523	.329	.247
652-SMCJ33CA	SMCJ33CA	B	40	46	36	58.1	.70	.523	.329	.247
652-SMCJ36CA	SMCJ36CA	B	44.4	51.1	40	64.5	.70	.523	.329	.247
652-SMCJ40CA	SMCJ40CA	B	47.8	54.9	43	69.4	.70	.523	.329	.247
652-SMCJ43CA	SMCJ43CA	B	50	57.5	45	72.7	.70	.523	.329	.247
652-SMCJ45CA	SMCJ45CA	B	53.3	61.3	48	77.4	.70	.523	.329	.247
652-SMCJ48CA	SMCJ48CA	B	56.7	65.2	51	82.4	.70	.523	.329	.247
652-SMCJ51CA	SMCJ51CA	B	60	69	54	87.1	.70	.523	.329	.247
652-SMCJ54CA	SMCJ54CA	B	64.4	74.6	58	93.6	.70	.523	.329	.247
652-SMCJ58CA	SMCJ58CA	B	66.7	76.7	60	96.8	.70	.523	.329	.247
652-SMCJ60CA	SMCJ60CA	B	71.1	81.8	64	103	.70	.523	.329	.247
652-SMCJ70CA	SMCJ70CA	B	77.8	89.5	70	113	.70	.523	.329	.247
652-SMCJ75CA	SMCJ75CA	B	83.3	95.8	75	121	.70	.523	.329	.247
652-SMCJ78CA	SMCJ78CA	B	86.7	99.7	78	126	.70	.523	.329	.247
652-SMCJ85CA	SMCJ85CA	B	94.4	108.2	85	137	.70	.523	.329	.247
652-SMCJ90CA	SMCJ90CA	B	100	115.5	90	146	.70	.523	.329	.247
652-SMCJ100CA	SMCJ100CA	B	111	128	100	162	.72	.558	.36	.288
652-SMCJ110CA	SMCJ110CA	B	122	140	110	177	.72	.558	.36	.288
652-SMCJ120CA	SMCJ120CA	B	133	153	120	193	.72	.558	.36	.288
652-SMCJ130CA	SMCJ130CA	B	144	165	130	209	.72	.558	.36	.288
652-SMCJ150CA	SMCJ150CA	B	167	192	150	243	.72	.558	.36	.288
652-SMCJ160CA	SMCJ160CA	B	178	205	160	259	.72	.558	.36	.288
652-SMCJ170CA	SMCJ170CA	B	189	217.5	170	275	.72	.558	.36	.288

**SMCJ SERIES**

MOUSER STOCK NO.	Bourns Part No.	Device Type	Breakdown V <sub>BR</sub> (Volts)		V <sub>RRM</sub> (Volts)	V <sub>RSM</sub> (Volts)	Price Each			
			Min.	Max.			1	10	100	1000
652-SMCJ5.0A	SMCJ5.0A	U	6.4	7.23	5	9.2	.63	.469	.295	.221
652-SMCJ6.0A	SMCJ6.0A	U	6.67	7.67	6	10.3	.63	.469	.295	.221
652-SMCJ6.5A	SMCJ6.5A	U	7.22	8.3	6.5	11.2	.63	.469	.295	.221
652-SMCJ7.0A	SMCJ7.0A	U	7.78	8.95	7	12	.63	.469	.295	.221
652-SMCJ7.5A	SMCJ7.5A	U	8.33	9.58	7.5	12.9	.63	.469	.295	.221
652-SMCJ8.5A	SMCJ8.5A	U	9.44	10.8	8.5	14.4	.63	.469	.295	.221
652-SMCJ9.0A	SMCJ9.0A	U	10	11.5	9	15.4	.63	.469	.295	.221
652-SMCJ10A	SMCJ10A	U	11.1	12.8	10	17	.63	.469	.295	.221
652-SMCJ12A	SMCJ12A	U	13.3	15.3	12	19.9	.63	.469	.295	.221
652-SMCJ13A	SMCJ13A	U	14.4	16.5	13	21.5	.63	.469	.295	.221
652-SMCJ14A	SMCJ14A	U	15.6	17.9	14	23.2	.63	.469	.295	.221
652-SMCJ15A	SMCJ15A	U	16.7	19.2	15	24.4	.63	.469	.295	.221
652-SMCJ16A	SMCJ16A	U	17.8	20.5	16	26	.63	.469	.295	.221
652-SMCJ17A	SMCJ17A	U	18.9	21.7	17	27.6	.63	.469	.295	.221
652-SMCJ18A	SMCJ18A	U	20	23.3	18	29.2	.63	.469	.295	.221
652-SMCJ20A	SMCJ20A	U	22.2	25.5	20	32.4	.63	.469	.295	.221
652-SMCJ22A	SMCJ22A	U	24.4	28	22	35.5	.63	.469	.295	.221
652-SMCJ24A	SMCJ24A	U	26.7	30.7	24	38.9	.63	.469	.295	.221
652-SMCJ26A	SMCJ26A	U	28.9	32.2	26	42.1	.63	.469	.295	.221
652-SMCJ28A	SMCJ28A	U	31.1	35.8	28	45.4	.63	.469	.295	.221
652-SMCJ30A	SMCJ30A	U	33.3	38.3						