

FAIRCHILD TVS

Products may be RoHS compliant.
Check mouser.com for RoHS status.



◆ Surface Mount Device

FAIRCHILD TRANSIENT VOLTAGE SUPPRESSORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Configuration	Vrwm	Vbr Breakdown		Test Condition It	Vc Max Clamping Voltage at Ippm	Ipp Max Peak Pulse Surge Current	Ir Max Reverse Leakage at Vrwm	Pppm	Price Each			
					Min.	Max.						1	25	100	250
512-SA5V0CA	SA5V0CA	DO-15	Bi-Directional	5V	6.4V	7V	10mA	9.2V	54.3A	1200µA	500W	.25	.219	.152	.134
◆512-SMBJ5V0CA	SMBJ5V0CA	SMB	Bi-Directional	5V	6.4V	7V	10mA	9.2V	65.2A	1600µA	600W	.30	.285	.199	.171
◆512-SMCJ6V5CA	SMCJ6V5CA	SMC-2	Bi-Directional	6.5V	7.22V	7.98V	10mA	11.2V	133.9A	1000µA	1500W	.62	.59	.419	.354
◆512-SMBJ12CA	SMBJ12CA	SMB	Bi-Directional	12V	13.3V	14.7V	1mA	19.9V	30.2A	5µA	600W	.28	.266	.19	.161
◆512-SMCJ12CA	SMCJ12CA	SMC-2	Bi-Directional	12V	13.3V	14.7V	1mA	19.9V	75.3A	5µA	1500W	.43	.392	.352	.288
◆512-SMCJ14CA	SMCJ14CA	SMC-2	Bi-Directional	14V	15.6V	17.2V	1mA	23.2V	64.7A	5µA	1500W	.43	.392	.352	.288
◆512-SMBJ15CA	SMBJ15CA	SMB-2	Bi-Directional	15V	16.7V	18.5V	1mA	24.4V	24.6A	5µA	600W	.29	.276	.19	.161
512-P6KE20CA	P6KE20CA	DO-15	Bi-Directional	17.1V	19V	21V	1mA	27.7V	22A	5µA	600W	.31	.295	.238	.20
512-SA18CA	SA18CA	DO-15	Bi-Directional	18V	20V	22.1V	1mA	29.2V	17.2A	1µA	500W	.25	.219	.152	.134
◆512-SMBJ20CA	SMBJ20CA	SMB	Bi-Directional	20V	22.2V	24.5V	1mA	32.4V	18.5A	5µA	600W	.29	.276	.19	.161
◆512-SMBJ24CA	SMBJ24CA	SMB	Bi-Directional	24V	26.7V	29.5V	1mA	38.9V	15.4A	5µA	600W	.31	.276	.19	.161
◆512-SMCJ24CA	SMCJ24CA	SMC-2	Bi-Directional	24V	26.7V	29.5V	1mA	38.9V	38.6A	5µA	1500W	.52	.495	.352	.295
◆512-SMCJ28CA	SMCJ28CA	SMC	Bi-Directional	28V	31.1V	34.4V	1mA	45.4V	33A	5µA	1500W	.43	.392	.352	.288
◆512-SMBJ28CA	SMBJ28CA	SMB-2	Bi-Directional	28V	31.1V	34.4V	1mA	45.4V	13.2A	5µA	600W	.29	.276	.19	.161
512-SA30CA	SA30CA	DO-15	Bi-Directional	30V	33.3V	36.8V	1mA	48.4V	10.3A	1µA	500W	.24	.219	.152	.134
◆512-SMBJ30CA	SMBJ30CA	SMB-2	Bi-Directional	30V	33.3V	36.8V	1mA	48.4V	12.4A	5µA	600W	.31	.276	.19	.161
◆512-SMBJ33CA	SMBJ33CA	SMB-2	Bi-Directional	33V	36.7V	40.6V	1mA	53.3V	11.3A	5µA	600W	.40	.295	.205	.174
512-SA33CA	SA33CA	DO-15	Bi-Directional	33V	36.7V	40.6V	1mA	53.3V	9.4A	1µA	500W	.21	.182	.152	.134
◆512-SMCJ36CA	SMCJ36CA	SMC-2	Bi-Directional	36V	40V	44.2V	1mA	58.1V	25.8A	5µA	1500W	.46	.342	.257	.209
512-P6KE62CA	P6KE62CA	DO-15	Bi-Directional	53V	58.9V	65.1V	1mA	85V	7.1A	5µA	600W	.31	.295	.238	.20
◆512-SMBJ58CA	SMBJ58CA	SMB	Bi-Directional	58V	64.4V	71.2V	1mA	93.6V	6.4A	5µA	600W	.31	.276	.19	.161
◆512-SMCJ78CA	SMCJ78CA	SMC-2	Bi-Directional	78V	86.7V	95.8V	1mA	126V	11.9A	5µA	1500W	.52	.485	.352	.295
◆512-SMBJ100CA	SMBJ100CA	SMB-2	Bi-Directional	100V	111V	123V	1mA	162V	3.7A	5µA	600W	.24	.215	.19	.161
◆512-SMCJ170CA	SMCJ170CA	SMC-2	Bi-Directional	170V	189V	209V	1mA	275V	5.5A	5µA	1500W	.54	.495	.361	.305
512-P6KE250CA	P6KE250CA	DO-15	Bi-Directional	214V	237V	263V	1mA	344V	1.8A	5µA	600W	.36	.295	.238	.20
512-P6KE300CA	P6KE300CA	DO-15	Bi-Directional	256V	285V	315V	1mA	414V	1.5A	5µA	600W	.45	.371	.304	.257
512-P6KE350CA	P6KE350CA	DO-15	Bi-Directional	300V	332V	368V	1mA	482V	1.3A	5µA	600W	.47	.381	.314	.266
512-1V5KE440CA	1V5KE440CA	DO-201AE	Bi-Directional	376V	418V	462V	1mA	602V	2.6A	5µA	1500W	.66	.514	.361	.312
◆512-SMBJ5V0A	SMBJ5V0A	SMB	Uni-Directional	5V	6.4V	7V	10mA	9.2V	65.2A	800µA	600W	.27	.218	.161	.133
512-P6KE6V8A	P6KE6V8A	DO-15	Uni-Directional	5.8V	6.45V	7.14V	10mA	10.5V	57.1A	1000µA	600W	.31	.247	.209	.171
◆512-SMBJ6V0A	SMBJ6V0A	SMB	Uni-Directional	6V	6.67V	7.37V	10mA	10.3V	58.3A	800µA	600W	.24	.228	.161	.133
◆512-SMBJ10A	SMBJ10A	SMB	Uni-Directional	10V	11.1V	12.8V	1mA	17V	35.3A	5µA	600W	.20	.182	.161	.133
◆512-SMBJ12A	SMBJ12A	SMB	Uni-Directional	12V	13.3V	14.7V	1mA	19.9V	30.2A	5µA	600W	.23	.219	.152	.133
◆512-SMCJ12A	SMCJ12A	SMC	Uni-Directional	12V	13.3V	14.7V	1mA	19.9V	75.3A	5µA	1500W	.36	.33	.295	.218
◆512-SMCJ13A	SMCJ13A	SMC-2	Uni-Directional	13V	14.4V	15.9V	1mA	21.5V	69.8A	5µA	1500W	.44	.419	.295	.247
◆512-SMBJ14A	SMBJ14A	SMB	Uni-Directional	14V	15.6V	17.2V	1mA	23.2V	25.9A	5µA	600W	.23	.219	.152	.133
◆512-SMBJ15A	SMBJ15A	SMB	Uni-Directional	15V	16.7V	18.5V	1mA	24.4V	24.6A	5µA	600W	.23	.219	.152	.133
◆512-SMBJ16A	SMBJ16A	SMB	Uni-Directional	16V	17.8V	19.7V	1mA	26V	23.1A	5µA	600W	.23	.219	.152	.133
◆512-SMBJ17A	SMBJ17A	SMB	Uni-Directional	17V	18.9V	20.9V	1mA	27.6V	21.7A	5µA	600W	.23	.219	.152	.133
◆512-SMBJ18A	SMBJ18A	SMB	Uni-Directional	18V	20V	22.1V	1mA	29.2V	20.5A	5µA	600W	.23	.219	.152	.133
◆512-SMCJ18A	SMCJ18A	SMC	Uni-Directional	18V	20V	22.1V	1mA	29.2V	51.4A	5µA	1500W	.44	.419	.295	.247
512-P6KE22A	P6KE22A	DO-15	Uni-Directional	18.8V	20.9V	23.1V	1mA	30.6V	20A	5µA	600W	.29	.238	.199	.161
◆512-SMBJ20A	SMBJ20A	SMB	Uni-Directional	20V	22.2V	24.5V	1mA	32.4V	18.5A	5µA	600W	.25	.219	.152	.133
512-P6KE24A	P6KE24A	DO-15	Uni-Directional	20.5V	22.8V	25.2V	1mA	33.2V	18.1A	5µA	600W	.29	.238	.199	.161
◆512-SMCJ22A	SMCJ22A	SMC	Uni-Directional	22V	24.4V	26.9V	1mA	35.5V	42.3A	5µA	1500W	.44	.419	.295	.247
◆512-SMCJ24A	SMCJ24A	SMC	Uni-Directional	24V	26.7V	29.5V	1mA	38.9V	38.6A	5µA	1500W	.44	.419	.295	.247
512-P6KE30A	P6KE30A	DO-15	Uni-Directional	25.6V	28.5V	31.5V	1mA	41.4V	14.5A	5µA	600W	.29	.238	.199	.161
◆512-SMBJ26A	SMBJ26A	SMB	Uni-Directional	26V	28.9V	31.9V	1mA	42.1V	14.3A	5µA	600W	.23	.219	.152	.133
512-P6KE33A	P6KE33A	DO-15	Uni-Directional	28.2V	31.4V	34.7V	1mA	45.7V	13.2A	5µA	600W	.29	.238	.199	.161
◆512-SMCJ33A	SMCJ33A	SMC-2	Uni-Directional	33V	36.7V	40.6V	1mA	53.3V	28.1A	5µA	1500W	.44	.419	.295	.247
◆512-SMBJ36A	SMBJ36A	SMB	Uni-Directional	36V	40V	44.2V	1mA	58.1V	10.3A	5µA	600W	.24	.228	.161	.133
◆512-SMCJ36A	SMCJ36A	SMC	Uni-Directional	36V	40V	44.2V	1mA	58.1V	25.8A	5µA	1500W	.42	.39	.276	.237
512-SA40A	SA40A	DO-15	Uni-Directional	40V	44.4V	49.1V	1mA	64.5V	7.8A	1µA	500W	.22	.199	.142	.123
◆512-SMBJ40A	SMBJ40A	SMB	Uni-Directional	40V	44.4V	49.1V	1mA	64.5V	9.3A	5µA	600W	.25	.219	.152	.133
◆512-SMBJ48A	SMBJ48A	SMB-2	Uni-Directional	48V	53.3V	58.9V	1mA	77.4V	7.8A	5µA	600W	.25	.219	.152	.133
◆512-SMBJ51A	SMBJ51A	SMB	Uni-Directional	51V	56.7V	62.7V	1mA	82.4V	7.3A	5µA	600W	.19	.175	.152	.133
512-P6KE62A	P6KE62A	DO-15	Uni-Directional	53V	58.9V	65.1V	1mA	85V	7.1A	5µA	600W	.29	.238	.199	.161
◆512-SMCJ54A	SMCJ54A	SMC-2	Uni-Directional	54V	60V	66.3V	1mA	87.1V	17.2A	5µA	1500W	.44	.419	.295	.247
◆512-SMCJ70A	SMCJ70A	SMC-2	Uni-Directional	70V	77.8V	86V	1mA	113V	13.3A	5µA	1500W	.41	.39	.276	.24
◆512-SMCJ75A	SMCJ75A	SMC-2	Uni-Directional	75V	83.3V	92.1V	1mA	121V	12.4A	5µA	1500W	.44	.419	.295	.247
◆512-SMBJ75A	SMBJ75A	SMB	Uni-Directional	75V	83.3V	92.1V	1mA	121V	5A	5µA	600W	.19	.175	.152	.133
◆512-SMBJ150A	SMBJ150A	SMB	Uni-Directional	150V	167V	185V	1mA	243V	2.5A	5µA	600W	.25	.219	.152	.133
512-P6KE180A	P6KE180A	DO-15	Uni-Directional	154V	171V	189V	1mA	246V	2.4A	5µA	600W	.29	.238	.199	.161
◆512-SMCJ170A	SMCJ170A	SMC	Uni-Directional	170V	189V	209V	1mA	275V	5.5A	5µA	1500W	.44	.419	.295	.247
512-P6KE200A	P6KE200A	DO-15	Uni-Directional	171V	190V	210V	1mA	274V	2.2A	5µA	600W	.27	.238	.199	.161
512-P6KE250A	P6KE250A	DO-15	Uni-Directional	214V	237V	263V	1mA	344V	1.8A	5µA	600W	.29	.238	.199	.161
512-P6KE350A	P6KE350A	DO-15	Uni-Directional	300V	332V	368V	1mA	482V	1.3A	5µA	600W	.35	.304	.247	.209
512-P6KE440A	P6KE440A	DO-15	Uni-Directional	376V	418V	462V	1mA	602V	1A	5µA	600W	.32	.304	.247	.209

