

LITTELFUSE TVS Diodes & LED Protection



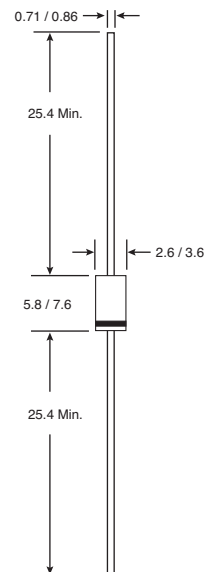
RoHS Compliant This product is RoHS compliant.

LITTELFUSE SA SERIES

DIMENSIONS: mm

Littelfuse Transient Protection

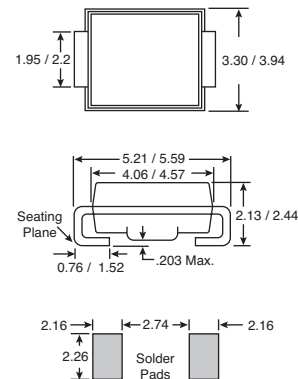
MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (VR)	Breakdown VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temp.	Price Each			
			Min.	Max.	(mA)					1	10	100	250
			576-SA6.0C	SA6.0C	6					6.67	8.15	10	600
576-SA8.0C	SA8.0C	8	8.89	10.9	1	25	15	33.3	7	.41	.37	.317	.277
576-SA8.5C	SA8.5C	8.5	9.44	11.5	1	10	15.9	31.4	8	.41	.37	.317	.277
576-SA9.0C	SA9.0C	9	10	12.2	1	5	16.9	29.5	9	.41	.37	.317	.277
576-SA11C	SA11C	11	12.2	14.9	1	3	20.1	24.9	11	.41	.37	.317	.277
576-SA12C	SA12C	12	13.3	16.3	1	3	22	22.7	12	.41	.37	.317	.277
576-SA14C	SA14C	14	15.6	19.1	1	3	25.8	19.4	14	.41	.37	.317	.277
576-SA15C	SA15C	15	16.7	20.4	1	3	26.9	18.8	16	.41	.37	.317	.277
576-SA16C	SA16C	16	17.8	21.8	1	3	28.8	17.6	19	.41	.37	.317	.277
576-SA22C	SA22C	22	24.4	29.8	1	3	39.4	12.7	28	.41	.37	.317	.277
576-SA24C	SA24C	24	26.7	32.6	1	3	43	11.6	31	.41	.37	.317	.277
576-SA28	SA28	28	31.1	38	1	3	50	9.9	35	.38	.34	.29	.26
576-SA30C	SA30C	30	33.3	40.7	1	3	53.5	9.3	39	.41	.37	.317	.277
576-SA33C	SA33C	33	36.7	44.9	1	3	59	8.5	42	.41	.37	.317	.277
576-SA40C	SA40C	40	44.4	54.3	1	3	71.4	7	51	.41	.37	.317	.277
576-SA43C	SA43C	43	47.8	58.4	1	3	76.7	6.5	55	.41	.37	.317	.277
576-SA48C	SA48C	48	53.3	65.1	1	3	85.5	5.8	63	.41	.37	.317	.277
576-SA54	SA54	54	60	73.3	1	3	96.3	5.2	71	.38	.34	.29	.26
576-SA54C	SA54C	54	60	73.3	1	3	96.3	5.2	71	.41	.37	.317	.277
576-SA58C	SA58C	58	64.4	78.7	1	3	103	4.9	78	.41	.37	.317	.277
576-SA60C	SA60C	60	66.7	81.5	1	3	107	4.7	80	.41	.37	.317	.277
576-SA70C	SA70C	70	77.8	95.1	1	3	125	4	94	.41	.37	.317	.277
576-SA75C	SA75C	75	83	102	1	3	134	3.7	101	.41	.37	.317	.277
576-SA78C	SA78C	78	86	106	1	3	139	3.6	105	.41	.37	.317	.277
576-SA110C	SA110C	110	122	149	1	3	196	2.6	148	.41	.37	.317	.277
576-SA120C	SA120C	120	133	163	1	3	214	2.3	162	.41	.37	.317	.277
576-SA170C	SA170C	170	189	231	1	3	304	1.6	230	.41	.37	.317	.277



LITTELFUSE SMBJ SERIES

DIMENSIONS: mm

MOUSER STOCK NO.	Littelfuse Part No.	Type	Device Code	Reverse Standoff (VR)	Breakdown VBR (Volts) @ IT		Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Price Each			
					Min.	(mA)				1	25	100	250
					576-SMBJ10A	SMBJ10A				Uni-Polar	KX	10	11.1
576-SMBJ15	SMBJ15	Uni-Polar	LL	15	16.7	1	5	26.9	22.3	.34	.31	.268	.235
576-SMBJ13C	SMBJ13C	Bi-Polar	BF	13	14.4	1	5	23.8	25.2	.39	.35	.30	.26
576-SMBJ17C	SMBJ17C	Bi-Polar	BQ	17	18.9	1	5	30.5	19.7	.39	.35	.30	.26
576-SMBJ20C	SMBJ20C	Bi-Polar	BU	20	22.2	1	5	35.8	16.7	.39	.35	.30	.26
576-SMBJ24C	SMBJ24C	Bi-Polar	BY	24	26.7	1	5	43	14	.39	.35	.30	.26
576-SMBJ26C	SMBJ26C	Bi-Polar	CD	26	28.9	1	5	46.6	12.4	.39	.35	.30	.26
576-SMBJ28C	SMBJ28C	Bi-Polar	CF	28	31.1	1	5	50	12	.39	.35	.30	.26
576-SMBJ48C	SMBJ48C	Bi-Polar	CW	48	53.3	1	5	85.5	7	.39	.35	.30	.26
576-SMBJ51C	SMBJ51C	Bi-Polar	CY	51	56.7	1	5	91.1	6.6	.39	.35	.30	.26
576-SMBJ54C	SMBJ54C	Bi-Polar	DD	54	60	1	5	96.3	6.2	.39	.35	.30	.26
576-SMBJ58C	SMBJ58C	Bi-Polar	DF	58	64.4	1	5	103	5.8	.39	.35	.30	.26
576-SMBJ100A	SMBJ100A	Uni-Polar	NZ	100	111	1	5	162	3.7	.37	.33	.28	.25
576-SMBJ64C	SMBJ64C	Bi-Polar	DL	64	71.1	1	5	114	5.3	.39	.35	.30	.26
576-SMBJ100CA	SMBJ100CA	Bi-Polar	DZ	100	111	1	5	162	3.7	.41	.37	.31	.27
576-SMBJ110C	SMBJ110C	Bi-Polar	ED	110	122	1	5	196	3	.39	.35	.30	.26



LITTELFUSE PLED SERIES

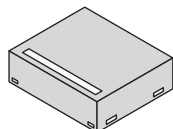
Features:

- Fast Switching
- Automatically resets after power cycle
- Compatible with industrial lighting
- Available in low profile, small footprint QFN and standard DO214AA packages
- Compatible with PWM dimming speeds of up to 10 KHz

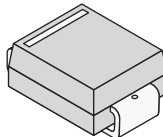
Specifications:

- Reverse Battery/Power Protection
- Open LED bypass up to 500mA
- Ideal for MR16, PAR type lamps

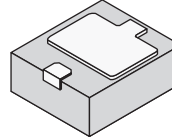
QFN 3x3



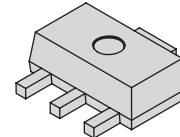
DO-214



QFN



SOT 89



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	VBR Breakdown Volts		VDRM Breakdown Volts	IH mAmps (Min.)	IS mAmps (Max.)	IT @ VT Amps (Max.)	VT @ IT = 1 Amp Volts (Max.)	Critical rate of rise dV/dt Volts (Max.)	Price Each			
		Min.	Max.	Min.	(Min.)	(Max.)	(Max.)	(Max.)		1	10	100	500
576-PLED6S	PLED6S	6	16	6	5	100	1	3	250V/μS	.70	.58	.52	.43
576-PLED6Q12	PLED6Q12	6	16	6	5	100	1	3	250V/μS	.70	.58	.52	.42
576-PLED9S	PLED9S	9	18	9	5	100	1	3	250V/μS	.50	.48	.45	.43
576-PLED9Q12	PLED9Q12	9	18	9	5	100	1	3	250V/μS	.50	.48	.45	.43
576-PLED13S	PLED13S	13	26	13	5	100	1	3	250V/μS	.50	.48	.45	.43
576-PLED13Q12	PLED13Q12	13	26	13	5	100	1	3	250V/μS	.55	.525	.50	.43
576-PLED18S	PLED18S	18	33	18	5	100	1	3	250V/μS	.55	.46	.41	.34
576-PLED18Q12	PLED18Q12	18	33	18	5	100	1	3	250V/μS	.70	.59	.53	.43
576-PLED5HT	PLED5HT	4.6	5.2	3.5	n/a	20	1	3	150V/μs	.42	.40	.36	.247
576-PLED5Q12	PLED5Q12	4.6	5.2	3.5	n/a	20	1	3	150V/μs	.42	.34	.31	.24