

STMICROELECTRONICS Surge Protection Devices



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

TRANSIL™ ELECTRICAL FAST TRANSIENT (EFT) DEVICES

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	VBR			IRM @ VRM		VCL @ IPP		Price Each			
			Min. (V)	Max. (V)	@ IR (mA)	Max. (µA)	(V)	Max. (V)	Max. (A)	1	10	100	250
◆ 511-STIEC45-24AS	STIEC45-24AS	DO-214AB	26.7	29.5	1	0.2	24	42	500	2.45	1.96	1.75	1.47
◆ 511-STIEC45-30AS	STIEC45-30AS	DO-214AB	33.3	36.8	1	0.2	30	55	500	2.21	1.77	1.58	1.33
◆ 511-STIEC45-33AS	STIEC45-33AS	DO-214AB	36.7	40.6	1	0.2	33	59	500	2.21	1.77	1.58	1.33

OVERVOLTAGE PROTECTION DEVICE WITH THERMAL SHUTDOWN

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	ESD Capability	Over-Volt Protect	Under-Volt Protect	Thermal Shutdown	R _{DS(on)} (Max.) (Ω)	Operating Current (Typ) (µA)	Standard Current (Typ) (µA)	Price Each			
										1	10	100	250
◆ 511-STBP120CVDK6F	STBP120CVDK6F	TDFN-10	8kV-15kV	Yes	Yes	Yes	0.15	170	96	1.52	1.29	1.10	.988

OVERVOLTAGE PROTECTED AC SWITCHES

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	IH (Max.) (mA)	VDRM (Max.) (V)	VRMM (Max.) (V)	ITSM (Max.) (A)	VPP (Max.) (kV)	Price Each			
								1	10	100	250
◆ 511-ACST410-8BTR	ACST410-8BTR	TO-252	20	800	800	32	2	1.33	1.07	.95	.80
511-ACST435-8FP	ACST435-8FP	TO-220FPAB	25	800	800	32	2	1.68	1.35	1.20	1.01
511-ACST610-8R	ACST610-8R	TO-251	25	800	800	47	2	2.03	1.63	1.45	1.22
511-ACST830-8FP	ACST830-8FP	TO-220FPAB	30	800	800	80	2	2.56	2.05	1.83	1.54
511-ACST830-8T	ACST830-8T	TO-220AB	30	800	800	80	2	2.42	1.94	1.73	1.45

ESD PROTECTION FOR INTERNAL DISPLAYPORT



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	VBR min. (V)	Bandwidth	Capacitance Variation	Impedance	Pitch	Price Each		
								1	25	100
511-DPIULC6-6DJL	DPIULC6-6DJL	PQFN	6	> 5 GHz	0.05 pF	100 Ohm	500 m	2.34	1.98	1.56

TRANSIL™ TRANSIENT VOLTAGE SUPPRESSORS

P6KE Series 600 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each			
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)				1	10	100	250
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.											
511	P6KE6V8A	511	P6KE6V8CA	DO-15	6.45	7.14	10	5.80	57.00	10.5	.37	.26	.22	.18
511	P6KE12A	511	P6KE12CA	DO-15	11.40	12.60	1	10.20	36.00	16.7	.37	.26	.22	.18
511	P6KE18A	511	P6KE18CA	DO-15	17.10	18.90	1	15.30	24.00	25.2	.37	.26	.22	.18
511	P6KE27A	511	P6KE27CA	DO-15	25.70	28.40	1	23.10	16.00	37.5	.37	.26	.22	.18
511	P6KE36A	511	P6KE36CA	DO-15	31.40	34.70	1	28.20	13.10	45.7	.39	.28	.24	.20
511	P6KE39A	511	P6KE39CA	DO-15	34.20	37.80	1	30.80	12.00	49.9	.37	.26	.22	.18
511	P6KE150A	511	P6KE150CA	DO-15	37.10	41.00	1	33.30	11.10	53.9	.37	.26	.22	.18
511	P6KE150A	511	P6KE150CA	DO-15	143.00	158.00	1	128.00	2.90	10.8	.37	.26	.22	.19

SM15T Series 1500 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each			
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)				1	10	100	250
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.											
511	SM15T6V8A	511	SM15T6V8CA	SOD-15	6.45	7.14	10	5.80	143.00	10.5	.86	.68	.58	.52
511	SM15T12A	511	SM15T12CA	SOD-15	11.40	12.60	1	10.20	90.00	16.7	.86	.665	.57	.532
511	SM15T15A	511	SM15T15CA	SOD-15	14.30	15.80	1	12.80	71.00	21.2	.90	.70	.54	.46
511	SM15T33A	511	SM15T33CA	SOD-15	31.40	34.70	1	28.20	33.00	45.7	.86	.665	.57	.532
511	SM15T39A	511	SM15T39CA	SOD-15	37.10	41.00	1	33.30	28.00	53.9	.86	.63	.569	.473
511	SM15T68A	511	SM15T68CA	SOD-15	64.60	71.40	1	58.10	16.30	92.0	.86	.665	.57	.532
511	SM15T100A	511	SM15T100CA	SOD-15	95.00	105.00	1	85.50	11.00	137.0	.74	.63	.57	.50
511	SM15T200A	511	SM15T200CA	SOD-15	190.00	210.00	1	171.00	5.50	274.0	.59	.58	.54	.495
511	SM15T220A	511	SM15T220CA	SOD-15	209.00	231.00	1	188.00	4.60	328.0	.86	.665	.57	.531

1.5KE Series 1500 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each							
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)				Unidirectional				Bidirectional			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.				1	10	100	250	1	10	100	250				
511	1.5KE6V8A	511	1.5KE6V8CA	DO-201	6.45	7.14	10	.72	.55	.482	.389	.56	.45	.38	.32			
511	1.5KE12A	511	1.5KE12CA	DO-201	11.40	12.60	1	.54	.43	.36	.31	.56	.45	.38	.32			
511	1.5KE15A	511	1.5KE15CA	DO-201	14.30	15.80	1	.54	.43	.36	.31	.54	.43	.36	.31			
511	1.5KE18A	511	1.5KE18CA	DO-201	17.10	18.90	1	.54	.43	.36	.31	.56	.45	.38	.32			
511	1.5KE22A	511	1.5KE22CA	DO-201	20.90	23.10	1	.54	.43	.36	.31	-	-	-	-			
511	1.5KE24A	511	1.5KE24CA	DO-201	22.80	25.20	1	.54	.43	.36	.31	.72	.58	.50	.424			
511	1.5KE30A	511	1.5KE30CA	DO-201	28.50	31.50	1	.54	.43	.36	.31	.56	.45	.38	.32			
511	1.5KE33A	511	1.5KE33CA	DO-201	31.40	34.70	1	.68	.55	.45	.365	.69	.52	.497	.403			
511	1.5KE36A	511	1.5KE36CA	DO-201	34.20	37.80	1	.54	.43	.36	.31	.50	.39	.33	.28			
511	1.5KE39A	511	1.5KE39CA	DO-201	37.10	41.00	1	.68	.55	.45	.365	.56	.45	.38	.32			
511	1.5KE47A	511	1.5KE47CA	DO-201	44.70	49.40	1	.54	.43	.36	.31	-	-	-	-			
511	1.5KE62A	511	1.5KE62CA	DO-201	58.90	65.10	1	-	-	-	-	.56	.45	.38	.32			
511	1.5KE68A	511	1.5KE68CA	DO-201	64.60	71.40	1	.54	.43	.36	.31	-	-	-	-			
511	1.5KE100CA	511	1.5KE100CA	DO-201	95.00	105.00	1	-	-	-	-	.56	.45	.38	.32			
511	1.5KE120CA	511	1.5KE120CA	DO-201	114.00	126.00	1	-	-	-	-	.56	.45	.38	.32			
511	1.5KE150A	511	1.5KE150CA	DO-201	143.00	158.00	1	.54	.43	.36	.31	.56	.45	.38	.32			
511	1.5KE180A	511	1.5KE180CA	DO-201	171.00	189.00	1	.54	.43	.36	.31	.56	.45	.38	.33			
511	1.5KE200A	511	1.5KE200CA	DO-201	190.00	210.00	1	.68	.50	.425	.365	.56	.45	.38	.32			
511	1.5KE220A	511	1.5KE220CA	DO-201	209.00	231.00	1	.54	.43	.36	.31	.72	.58	.475	.377			
511	1.5KE300A	511	1.5KE300CA	DO-201	285.00	315.00	1	.54	.43	.36	.31	.72	.58	.475	.377			
511	1.5KE400A	511	1.5KE400CA	DO-201	380.00	420.00	1	.54	.43	.36	.31	.82	.62	.549	.507			

