

NXP Surge Protection Devices



This product is RoHS compliant.

STANDARD ESD PROTECTION DIODES

• IEC 61000-4-2; Level 4 (ESD)

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package	No. of Lines Protected	V _{RWM} (Max.) (V)	I _{RM} (Max.) (μA)	V _{CL}		V _{BR} (Min./Max.) (V)	C _D (Typ./Max.) (pF)	Price Each			
						(Max.) (V)	@ I _{PP} (A)			1	25	100	250
◆ 771-PESD5V0S1UB115	PESD5V0S1UB,115	SOD-523	1	5	1	----/9	1	6.4/7.2	152/200	.07	.07	.066	.062
◆ 771-PESD12VS1UB115	PESD12VS1UB,115	SOD-523	1	12	0.05	----/19	1	14.7/15.3	38/75	.13	.11	.096	.079
◆ 771-PESD15VS1UB115	PESD15VS1UB,115	SOD-523	1	15	0.05	----/23	1	17.6/18.4	32/70	.07	.07	.066	.062
◆ 771-PESD24VS1UB-T/R	PESD24VS1UB,115	SOD-523	1	24	0.05	----/36	1	26.5/27.5	23/50	.07	.07	.066	.062
◆ 771-PESD3V3S2UAT-T/R	PESD3V3S2UAT,215	SOT-23	2	3.3	2	----/7	1	5.2/6.0	207/300	.10	.097	.091	.087
◆ 771-PESD3V3S2UQT/R	PESD3V3S2UQT,115	SOT-663	2	3.3	3	----/8	1	5.2/6.0	200/275	.26	.225	.19	.151
◆ 771-PESD5V0S2UQT/R	PESD5V0S2UQT,115	SOT-663	2	5	0.3	----/9	1	6.4/7.2	150/215	.26	.225	.19	.151
◆ 771-PESD12VS2UT-T/R	PESD12VS2UT,215	SOT-23	2	12	1	----/19	1	14.7/15.3	38/75	.10	.097	.091	.087
◆ 771-PESD12VS2UQ115	PESD12VS2UQ,115	SOT-663	2	12	0.03	----/19	1	14.7/15.3	38/100	.25	.21	.18	.14
◆ 771-PESD15VS2UT-T/R	PESD15VS2UT,215	SOT-23	2	15	1	----/23	1	17.6/18.4	32/70	.10	.097	.091	.087
◆ 771-PESD24VS2UT-T/R	PESD24VS2UT,215	SOT-23	2	24	1	----/36	1	26.5/27.5	23/50	.10	.097	.091	.087
◆ 771-PESD3V3S4UDT/R	PESD3V3S4UD,115	SOT-457	4	3.3	0.8	----/8	1	5.3/5.9	215/300	.16	.152	.143	.136
◆ 771-PESD5V0S4UD115	PESD5V0S4UD,115	SOT-457	4	5	0.2	----/8	1	6.4/7.2	165/220	.16	.152	.143	.136
◆ 771-PESD5V0S5UD115	PESD5V0S5UD,115	SOT-457	5	5	0.2	----/8	1	6.4/7.2	165/220	.59	.42	.366	.316

ULTRA LOW CAPACITANCE ESD PROTECTION DIODES

• IEC 61000-4-2; Level 4 (ESD)

◆ Surface Mount Device

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MOUSER STOCK NO.	NXP Part No.	Package	No. of Lines Protected	V _{RWM} (Max.) (V)	I _{RM} (Max.) (μA)	V _{CL}		V _{BR} (Min./Max.) (V)	C _D (Typ./Max.) (pF)	Price Each			
						(Max.) (V)	@ I _{PP} (A)			1	25	100	250
◆ 771-PESD3V3U1UA-T/R	PESD3V3U1UA,115	SOD-323	1	3.3	0.1	----/----	----	4.5/6.8	2.6/3.1	.44	.31	.25	.18
◆ 771-PESD3V3U1UB-T/R	PESD3V3U1UB,115	SOD-523	1	3.3	0.1	----/----	----	4.5/6.8	2.6/3.1	.44	.31	.25	.18
◆ 771-PESD5V0U1BA115	PESD5V0U1BA,115	SOD-323	1	5	0.1	----/----	----	5.5/9.5	2.9/3.5	.43	.36	.31	.246
◆ 771-PESD5V0X1BL-T/R	PESD5V0X1BL,315	SOD-882	1	5	0.1	----/----	----	6.0/9.5	0.9/1.3	.52	.38	.33	.285
◆ 771-PESD5V0U1UA-T/R	PESD5V0U1UA,115	SOD-323	1	5	0.1	----/----	----	5.8/8.8	2.0/2.6	.10	.095	.09	.085
◆ 771-PESD5V0U1UT-T/R	PESD5V0U1UT,215	SOT-23	1	5	1	----/12	1	7.0/8.2	0.6/1.5	.10	.097	.091	.087
◆ 771-IP4386CX4/P315	IP4386CX4/P,315	WLCSP-4	1	14	----	----/20	1	16/----	160/----	.08	.078	.073	.07
◆ 771-PESD16VX1UL315	PESD16VX1UL,315	SOD-882	1	16	0.1	34/----	0.9	17.5/30	0.83/0.98	.30	.279	.263	.25
◆ 771-NUP1301215	NUP1301,215	SOT-23	1	80	0.03	----/----	----	100/----	0.6/0.75	.06	.057	.055	.052
◆ 771-PESD5V0U2BM,315	PESD5V0U2BM,315	SOT-883	2	5	0.1	----/----	----	5.5/9.5	2.9/3.5	.15	.139	.131	.124
◆ 771-PESD5V0U2BT/T/R	PESD5V0U2BT,215	SOT-23	2	5	0.1	----/----	----	5.5/9.5	2.9/3.5	.12	.114	.108	.102
◆ 771-PRTR5V0U2X-T/R	PRTR5V0U2X,215	SOT-143B	2	5.5	0.1	----/----	----	6.0/9.0	1.6/----	.61	.42	.366	.316
◆ 771-PRTR5V0U4D-T/R	PRTR5V0U4D,125	TSOP-6	4	5.5	0.1	----/----	----	6.0/9.0	40/----	.61	.399	.327	.273
◆ 771-IP4233CZ6125	IP4233CZ6,125	TSSOP-6	4	----	0.1	----/----	----	6.0/9.5	1.0/1.2	.10	.099	.093	.088
◆ 771-IP4343CX5/P135	IP4343CX5/P,135	WLCSP-5	4	5.5	0.1	----/----	----	14/----	18/20	.10	.093	.088	.083

TRANSIENT VOLTAGE SUPPRESSORS

◆ Surface Mount Device



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package	V _{BR} (V)		I _R (mA)	V _{RWM} (Max.) (V)	I _{RM} @ V _{RWM} (μA)		V _{CL}		Price Each			
			Min.	Max.			Typ.	Max.	Max. (V)	I _{PPM} (A)	1	25	100	250
400W														
◆ 771-PTVS10VS1UTR115	PTVS10VS1UTR,115	SOD-123	11.10	12.30	1	10	0.005	2.5	17.0	23.5	.41	.36	.312	.27
◆ 771-PTVS11VS1UTR115	PTVS11VS1UTR,115	SOD-123	12.20	13.50	1	11	0.005	2.5	18.2	22.0	.41	.36	.312	.27
◆ 771-PTVS12VS1UTR115	PTVS12VS1UTR,115	SOD-123	13.30	14.70	1	12	0.001	0.1	19.9	20.1	.41	.36	.312	.27
◆ 771-PTVS15VS1UTR115	PTVS15VS1UTR,115	SOD-123	16.70	18.50	1	15	0.001	0.1	24.4	16.4	.41	.36	.312	.27
◆ 771-PTVS20VS1UTR115	PTVS20VS1UTR,115	SOD-123	22.20	24.50	1	20	0.001	0.1	32.4	12.3	.41	.36	.312	.27
◆ 771-PTVS22VS1UTR115	PTVS22VS1UTR,115	SOD-123	24.40	26.90	1	22	0.001	0.1	35.5	11.3	.41	.36	.312	.27
◆ 771-PTVS26VS1UTR115	PTVS26VS1UTR,115	SOD-123	28.90	31.90	1	26	0.001	0.1	42.1	9.5	.41	.36	.312	.27
◆ 771-PTVS36VS1UTR115	PTVS36VS1UTR,115	SOD-123	40.00	44.20	1	36	0.001	0.1	58.1	6.9	.41	.36	.312	.27
◆ 771-PTVS48VS1UTR115	PTVS48VS1UTR,115	SOD-123	53.30	58.90	1	48	0.001	0.1	77.4	5.2	.41	.36	.312	.27
◆ 771-PTVS60VS1UTR115	PTVS60VS1UTR,115	SOD-123	66.70	73.70	1	60	0.001	0.1	96.8	4.1	.41	.36	.312	.27
600W														
◆ 771-PTVS5V0P1UP115	PTVS5V0P1UP,115	SOD-128	6.40	7.00	10	5.0	5	400	9.2	65.2	.18	.171	.161	.153
◆ 771-PTVS6V0P1UP115	PTVS6V0P1UP,115	SOD-128	6.67	7.37	10	6.0	5	400	10.3	58.3	.18	.171	.161	.153
◆ 771-PTVS6V5P1UP115	PTVS6V5P1UP,115	SOD-128	7.22	7.98	10	6.5	5	250	11.2	53.6	.18	.171	.161	.153
◆ 771-PTVS7V0P1UP115	PTVS7V0P1UP,115	SOD-128	7.78	8.60	10	7.0	3	100	12.0	50.0	.41	.364	.312	.27
◆ 771-PTVS7V5P1UP115	PTVS7V5P1UP,115	SOD-128	8.33	9.21	1	7.5	0.2	50	12.9	46.5	.41	.364	.312	.27
◆ 771-PTVS8V0P1UP115	PTVS8V0P1UP,115	SOD-128	8.89	9.83	1	8.0	0.03	25	13.6	44.1	.41	.364	.312	.27
◆ 771-PTVS8V5P1UP115	PTVS8V5P1UP,115	SOD-128	9.44	10.40	1	8.5	0.01	10	14.4	41.7	.41	.364	.312	.27
◆ 771-PTVS9V0P1UP115	PTVS9V0P1UP,115	SOD-128	10.00	11.10	1	9.0	0.005	5	15.4	39.0	.41	.364	.312	.27
◆ 771-PTVS10VP1UP115	PTVS10VP1UP,115	SOD-128	11.10	12.30	1	10.0	0.005	2.5	17.0	35.3	.18	.171	.161	.153
◆ 771-PTVS11VP1UP115	PTVS11VP1UP,115	SOD-128	12.20	13.50	1	11.0	0.005	2.5	18.2	33.0	.41	.364	.312	.27
◆ 771-PTVS12VP1UP115	PTVS12VP1UP,115	SOD-128	13.30	14.70	1	12.0	0.005	2.5	19.9	30.2	.41	.364	.312	.27
◆ 771-PTVS13VP1UP115	PTVS13VP1UP,115	SOD-128	14.40	15.90	1	13.0	0.001	0.1	21.5	27.9	.41	.364	.312	.27
◆ 771-PTVS14VP1UP115	PTVS14VP1UP,115	SOD-128	15.60	17.20	1	14.0	0.001	0.1	23.2	25.9	.18	.171	.161	.153
◆ 771-PTVS15VP1UP115	PTVS15VP1UP,115	SOD-128	16.70	18.50	1	15.0	0.001	0.1	24.4	24.6	.41	.364	.312	.27
◆ 771-PTVS16VP1UP115	PTVS16VP1UP,115	SOD-128	17.80	19.70	1	16.0	0.001	0.1	26.0	23.1	.41	.364	.312	.27
◆ 771-PTVS17VP1UP115	PTVS17VP1UP,115	SOD-128	18.90	20.90	1	17.0	0.001	0.1	27.6	21.7	.41	.364	.312	.27
◆ 771-PTVS18VP1UP115	PTVS18VP1UP,115	SOD-128	20.00	22.10	1	18.0	0.001	0.1	29.2	20.5	.18	.171	.161	.153
◆ 771-PTVS20VP1UP115	PTVS20VP1UP,115	SOD-128	22.20	23.35	1	20.0	0.001	0.1	32.4	18.5	.41	.364	.312	.27
◆ 771-PTVS22VP1UP115	PTVS22VP1UP,115	SOD-128	24.40	26.90	1	22.0	0.001	0.1	35.5	16.9	.18	.171	.161	.153
◆ 771-PTVS24VP1UP115	PTVS24VP1UP,115	SOD-128	26.70	29.50	1	24.0	0.001	0.1	38.9	15.4	.18	.171	.161	.153
◆ 771-PTVS26VP1UP115	PTVS26VP1UP,115	SOD-128	28.90	31.90	1	26.0	0.001	0.1	42.1	14.3	.18	.171	.161	.153
◆ 771-PTVS28VP1UP115	PTVS28VP1UP,115	SOD-128	31.10	34.40	1	28.0	0.001	0.1	45.4	13.2	.18	.171	.161	.153
◆ 771-PTVS30VP1UP115	PTVS30VP1UP,115	SOD-128	33.30	36.80	1	30.0	0.001	0.1	48.4	12.4	.18	.171	.161	.153
◆ 771-PTVS33VP1UP115	PTVS33VP1UP,115	SOD-128	36.70	40.60	1	33.0	0.001	0.1	58.4	10.3	.18	.171	.161	.153
◆ 771-PTVS36VP1UP115	PTVS36VP1UP,115	SOD-128	40.00	44.20	1	36.0	0.001	0.1	58.1	10.3	.18	.171	.161	.153
◆ 771-PTVS40VP1UP115	PTVS40VP1UP,115	SOD-128	44.40	49.10	1	40.0	0.001	0.1	64.5	9.3	.18	.171	.161	.153
◆ 771-PTVS43VP1UP115	PTVS43VP1UP													