

Lines of Protection	Standoff	Diode Capacitance				V _{clamp}	Package	Device	Mfrs.
		V _{br} Voltage	min.	@ Vr max.	P _{pp} max.				
Unidirectional	1	5	6.4	45	130	14	SOD-523 L7	PESD5V0S1BB	
—	1	5.2	6.4	—	100	6.8	SOT-339 D5V2S18	PESD5V2S18U	
—	1	12	14.2	13	200	15.9	SOD-323 AD	PESD12VL1BA	
—	1	12	14.7	75	180	15	SOD-523 N3	PESD12VS1UB	
—	1	15	17.1	11	200	18.9	SOD-323 AE	PESD15VL1BA	
—	1	15	17.6	70	160	18	SOD-523 N4	PESD15VS1UB	
—	1	24	25.4	9	200	27.8	SOD-323 AF	PESD24VL1BA	
—	1	24	26.5	50	160	27	SOD-523 N5	PESD24VS1UB	
2	—	3.3	5.2	300	330	5.6	SOT-23 *U9	PESD3V3S2UT	
4	—	3.3	5.32	28	30	5.6	SOT-353 L1*	PESD3V3L4UG	
4	3	3.3	5.32	28	30	5.6	SOT-665 A2	PESD3V3L4UW	
4	3	5	6.46	19	30	6.8	SOT-665 A1	PESD5V0L4UW	
—	4	5	6.46	19	30	6.8	SOT-353 L2*	PESD5V0L4UG	
5	4	3.3	5.3	28	25	5.6	SOT-363 K3*	PESD3V3L5UY	
5	4	5	6.4	19	25	6.8	SOT-363 K4*	PESD5V0L5UY	
6	—	5	6.4	19	35	6.8	SOT-505 5V06U	PESD5V0L6UAS	
—	7	5	7.2	10	35	7.6	SOT-505 5V07B	PESD5V0L7BAS	
5	4	3.3	5.3	28	25	5.6	SOT-666 E1	PESD3V3L5UV	
5	4	5	6.4	19	25	6.8	SOT-666 E2	PESD5V0L5UV	
6	—	5	6.4	19	35	6.8	SOT-96 5V0L6US	PESD5V0L6US	
—	7	5	7.2	10	35	7.6	SOT-96 5V0L7BS	PESD5V0L7BS	

386596

Mfrs. List No.	Order Code	5+	100+	1K+	3K+	+
PESD12VL1BA	873-7363	24.00	15.00	11.00	8.00	--
PESD12VS1UB	873-7371	20.00	12.00	9.00	6.00	--
PESD15VL1BA	873-7410	24.00	15.00	11.00	8.00	--
PESD15VS1UB	873-7428	20.00	12.00	9.00	6.00	--
PESD24VL1BA	873-7460	24.00	15.00	11.00	8.00	--
PESD24VS1UB	873-7479	20.00	12.00	9.00	6.00	--
PESD3V3L1BA	873-7517	24.00	15.00	11.00	8.00	--
PESD3V3L4UG	873-7525	34.00	21.00	15.00	11.00	--
PESD3V3L4UW	873-7533	34.00	21.00	15.00	11.00	--
PESD3V3L5UV	873-7541	37.00	22.00	16.00	12.00	--
PESD3V3L5UY	873-7550	37.00	22.00	16.00	12.00	--
PESD3V3S1UB	873-7568	20.00	12.00	9.00	6.00	--
PESD3V3S2UT	873-7592	29.00	18.00	13.00	10.00	--
PESD5V0L1BA	873-7606	24.00	15.00	11.00	8.00	--
PESD5V0L4UG	873-7614	34.00	21.00	15.00	11.00	--
PESD5V0L4UW	873-7622	34.00	21.00	15.00	11.00	--
PESD5V0L5UV	873-7630	37.00	22.00	16.00	12.00	--
PESD5V0L5UY	873-7649	37.00	22.00	16.00	12.00	--
PESD5V0L6UAS	873-7657	54.00	33.00	23.00	17.00	--
PESD5V0L6US	873-7665	54.00	33.00	23.00	17.00	--
PESD5V0L7BAS	873-7673	54.00	33.00	23.00	17.00	--
PESD5V0L7BS	873-7681	54.00	33.00	23.00	17.00	--
PESD5V0S1BA	873-7690	32.00	20.00	14.00	10.00	--
PESD5V0S1BB	873-7703	32.00	20.00	14.00	10.00	--
PESD5V0S1UB	873-7711	20.00	12.00	9.00	6.00	--
PESD5V2S18U	873-7754	73.00	52.00	36.00	31.00	--

Double ESD Protection Diodes



SOT-663
H=0.6, W=1.7,
D=1.3



SOT-23
H=1.12, W=3.05,
D=2.3

- Unidirectional double ESD protection diodes in SOT-23 and SOT-663 packages
- Designed to protect up to two transmission or data lines against damage from ESD and other transients



Stand-Off Voltage V _{rm} V	V _{br} V	V _{clamp} V	Peak Pulse Power W	Device Marking Code	Device Marking Code	Mfrs. List No.	Order Code
Common Cathode							
3.3	5.2 - 6	5.6	330	SOT-23	*7A	PESD3V3S2UAT	873-7576
5	6.4 - 7.2	6.8	260	SOT-23	*7B	PESD5V0S2UAT	873-7738
12	14.7 - 15.3	15	180	SOT-23	*7C	PESD12VS2UAT	873-7380
15	17.6 - 18.4	18	160	SOT-23	*7D	PESD15VS2UAT	873-7436
24	26.5 - 27.5	27	160	SOT-23	*7E	PESD24VS2UAT	873-7487
Common Anode							
3.3	5.2 - 6	5.6	150	SOT-663	E1	PESD3V3S2UQ	873-7584
5	6.4 - 7.2	6.8	150	SOT-663	E2	PESD5V0S2UQ	873-7746
5.2	6.4 - 7.2	9	330	SOT-23	*U1	PESD5V2S2UT	873-7762
12	14.7 - 15.3	15	150	SOT-663	E3	PESD12VS2UQ	873-7398
12	14.7 - 15.3	15	180	SOT-23	*U2	PESD12VS2UT	873-7401
15	17.6 - 18.4	18	150	SOT-663	E4	PESD15VS2UQ	873-7444
15	17.6 - 18.4	18	160	SOT-23	*U3	PESD15VS2UT	873-7452
24	26.5 - 27.5	27	150	SOT-663	E5	PESD24VS2UQ	873-7495
24	26.5 - 27.5	27	160	SOT-23	*U4	PESD24VS2UT	873-7509
Bidirectional Double Protection							
5	5.5 - 9.5	14	130	SOT-23	*G5	PESD5V0S2BT	873-7720

386507

Mfrs. List No.	Order Code	5+	100+	1K+	3K+	+
Common Cathode						
PESD3V3S2UAT	873-7576	29.00	18.00	13.00	10.00	--
PESD5V0S2UAT	873-7738	29.00	18.00	13.00	10.00	--
PESD12VS2UAT	873-7380	29.00	18.00	13.00	10.00	--
PESD15VS2UAT	873-7436	29.00	18.00	13.00	10.00	--
PESD24VS2UAT	873-7487	29.00	18.00	13.00	10.00	--
Common Anode						
PESD3V3S2UQ	873-7584	29.00	18.00	13.00	10.00	--
PESD5V0S2UQ	873-7746	29.00	18.00	13.00	10.00	--
PESD5V2S2UT	873-7762	29.00	18.00	13.00	10.00	--
PESD12VS2UQ	873-7398	29.00	18.00	13.00	10.00	--
PESD12VS2UT	873-7401	29.00	18.00	13.00	10.00	--
PESD15VS2UQ	873-7444	29.00	18.00	13.00	10.00	--
PESD15VS2UT	873-7452	29.00	18.00	13.00	10.00	--
PESD24VS2UQ	873-7495	29.00	18.00	13.00	10.00	--
PESD24VS2UT	873-7509	29.00	18.00	13.00	10.00	--
Bidirectional						
PESD5V0S2BT	873-7720	41.00	25.00	18.00	14.00	--

400W Transil™ Suppression Diodes



- 400W - 1500W Peak Pulse Power capability
- Low clamping factor
- Low incremental surge resistance
- Fast response time

SMA H = 2.9, W = 2.9, D = 5.6
SMB H = 2.45, W = 5.6, D = 3.95
SMC H = 2.45, W = 8.15, D = 6.25



Max Reverse Leakage Current μA	V _{br} min. @ V _{rm}	V _{clamp} max. @ I _r	P _{pp} max. W	I _{ism} A	Package Marking	Mfrs. List No. Unidirectional (d.c.)	Mfrs. List No. Bidirectional (a.c.)
SMA Package, 400W							
800	5 6.4	10 400	13.4	40	AE/AA	SMAJ5.0A	SMAJ5.0CA
5	12 13.3	1 400	19.9	40	DUK/DBK	SMAJ12A	SMAJ12CA
1	15 16.7	1 400	24.4	40	BM/AJ	SMAJ15A	SMAJ15CA
1	28 31.1	1 400	45.4	40	CG/CH	SMAJ28A	SMAJ28CA
1	30 33.3	1 400	48.4	40	CK/CL	SMAJ30A	SMAJ30CA
1	33 36.7	1 400	53.3	40	CM/CN	SMAJ33A	SMAJ33CA

21084

Mfrs. List No.	Order Code	5+	25+	100+	250+	+
400W Unidirectional						
SMAJ5.0A.	302-2973	38.00	32.00	26.00	19.00	--
SMAJ5.0A	980-2851	14.00	11.00	8.00	6.00	--
SMAJ12A.	302-3096	25.00	19.00	14.00	12.00	--
SMAJ12A	980-2754	14.00	11.00	8.00	6.00	--
SMAJ15A.	302-2936	25.00	19.00	14.00	11.00	--
SMAJ15A	980-2770	15.00	12.00	9.00	6.00	--
SMAJ28A.	357-3527	28.00	21.00	16.00	12.00	--
SMAJ28A	980-2797	14.00	11.00	8.00	6.00	--
SMAJ30A.	302-3114	25.00	19.00	14.00	11.00	--
SMAJ30A	980-2819	14.00	11.00	8.00	6.00	--
SMAJ33A.	302-2950	25.00	19.00	14.00	11.00	--
SMAJ33A	980-2835	15.00	11.00	8.00	6.00	--
400W Bidirectional						
SMAJ5.0CA.	302-2985	29.00	22.00	16.00	13.00	--
SMAJ5.0CA	980-2860	16.00	12.00	9.00	8.00	--
SMAJ12CA.	302-3102	29.00	22.00	16.00	13.00	--
SMAJ12CA	980-2762	16.00	12.00	9.00	7.00	--
SMAJ15CA.	302-2948	29.00	22.00	16.00	13.00	--
SMAJ15CA	980-2789	16.00	12.00	9.00	7.00	--
SMAJ28CA.	357-3539	32.00	24.00	18.00	14.00	--
SMAJ28CA	980-2800	16.00	12.00	9.00	6.00	--
SMAJ30CA.	302-3126	48.00	41.00	33.00	24.00	--
SMAJ30CA	980-2827	16.00	12.00	9.00	7.00	--
SMAJ33CA.	302-2961	32.00	24.00	18.00	14.00	--
SMAJ33CA	980-2843	16.00	12.00	9.00	7.00	--

Quad ESD Transient Voltage Suppressors



SOT-457



SOT-665



- Monolithic transient voltage suppressors for 4-bit wide ESD transient suppression
- Four unidirectional lines, three bidirectional

Semiconductors - Discretes

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Compliant Non-compliant + Limited stock - RoHS replacement available

RoHS