



NEW! ESD Diodes

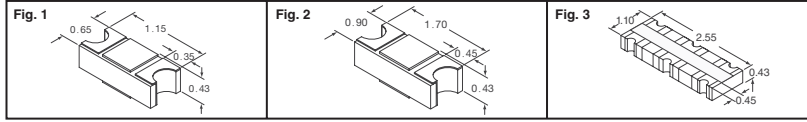
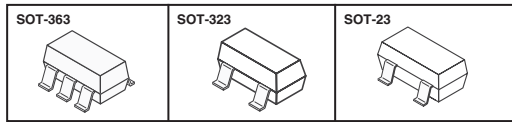


Fig.	Package	VDC (V)	Trigger (V)	Clamping (V)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel\$		MCC Part No.
						1	10	100	Qty.	Pricing	
1	0402	12	300	20	MLES12A-0402-TPMSCT-ND	.57	.40	.27	10,000	92.21/M	MLES12A-0402-TP
2	0603	24	500	36	MLES24B-0603-TPMSCT-ND	.57	.40	.27	5,000	101.13/M	MLES24B-0603-TP
3	2510	8	300	15	MLES08A-2510-TPMSCT-ND	1.70	1.54	1.32	3,000	610.35/M	MLES08A-2510-TP

§ For Tape and Reel part number, change CT-ND to TR-ND

Mosfets



Package	VDS (V)	ID (A)	IDM (A)	RDS (ON) (Ω)	Digi-Key Part No.	Cut Tape Pricing		Tape & Reel\$ Pricing		MCC Part No.
						1	10	3,000	3,000	
N-Channel										
SOT-363	70	1.0	—	7.5	2N7002DW-TPCT-ND	.56	4.04	89.78/M	2N7002DW-TP	
SOT-323	60	0.115	—	7.5	2N7002W-TPMSCT-ND	.43	3.03	67.33/M	2N7002W-TP	
SOT-23	60	0.115	—	7.5	2N7002-TPMSCT-ND	.47	3.10	36.36/M	2N7002-TP	
SOT-23	20	3.0	10	.055	SI2302-TPMSCT-ND	.63	4.71	207.60/M	SI2302-TP	
P-Channel										
SOT-23	20	2.8	10	.055	SI2301-TPMSCT-ND	.63	4.71	207.60/M	SI2301-TP	

§ For Tape and Reel part number, change CT-ND to TR-ND

Switching Diodes



Fig. 1 — SOT-23-2

Dim.	Min.	Max.
A	2.80	3.04
B	2.10	2.64
C	1.20	1.40
D	0.89	1.03
E	1.78	2.05
F	0.45	0.60
G	0.013	0.100
H	0.89	1.12
K	0.37	0.51

Fig. 2 — SOT-323

Dim.	Min.	Max.
A	1.80	2.20
B	1.15	1.35
C	2.00	2.20
D	(0.65 Nominal)	
E	1.20	1.40
F	0.30	0.40
G	—	0.100
H	0.90	1.00
K	0.30	0.40

Fig. 3 — MINIMELF, SMT

Dim.	Min.	Max.
A	1.80	2.20
B	1.15	1.35
C	2.00	2.20
D	(0.65 Nominal)	
E	1.20	1.40
F	0.30	0.40
G	—	0.100
H	0.90	1.00
K	0.30	0.40

Fig. 4 — DO-35

Dim.	Min.	Max.
A	3.40	3.60
B	—	2.00
C	—	0.52
D	25.40	—

Fig.	VR (V)	VRM (V)	IO (mA)	IFSM (A)	VF (mV)	Pinning			Digi-Key Part No.	Cut Tape Pricing		T&R† Pricing	MCC Part No.	
						1	2	3		1	10			3,000
SOT-23-2														
1	75	100	300	1.0	1250	—	—	—	BAS16TPMSCT-ND	.49	3.37	52.74/M	BAS16-TP	
	100	120	200	2.5	1250	K	A	A	BAS19TPMSCT-ND	.49	3.37	52.74/M	BAS19-TP	
	150	200	200	2.5	1250	K	A	A	BAS20TPMSCT-ND	.49	3.37	52.74/M	BAS20-TP	
	200	250	200	2.5	1250	K	A	A	BAS21TPMSCT-ND	.49	3.37	52.74/M	BAS21-TP	
	75	150	100	1.0	855	K	A	A	BAV70TPMSCT-ND	.49	3.37	52.74/M	BAV70-TP	
	75	—	200	1.0	855	K/A	A	K	BAV99TPMSCT-ND	.49	3.37	52.74/M	BAV99-TP	
	70	—	200	1.0	1250	K/A	A	K	BAV199MSCT-ND NEW!	.56	3.82	52.74/M	BAV199	
	—	150	100	1.0	855	A	K	K	BAW56TPMSCT-ND	.49	3.37	52.74/M	BAW56-TP	
	100	—	150	1.0	820	K/A	A	C	MMD7000TPMSCT-ND	.49	3.37	52.74/M	MMD7000-TP	
	—	—	200	1.0	885	A	—	K	MMD1501TPMSCT-ND	.56	4.04	89.78/M	MMD1501-TP	
2	—	200	1.0	885	A	K	K/A	MMD1503TPMSCT-ND	.56	4.04	89.78/M	MMD1503-TP		
	—	200	1.0	885	A	K	A	MMD1505TPMSCT-ND	.56	4.04	89.78/M	MMD1505-TP		
	75	100	200	1.0	885	A	—	K	MMD4148TPMSCT-ND	.49	3.37	52.74/M	MMD4148-TP	
	75	100	150	1.0	885	K	—	A	MMD914TPMSCT-ND	.39	2.58	30.30/M	MMD914-TP	
	SOT-323													
	200	—	200	2.5	1000	K	A	—	BAS21WTTPMSCT-ND	.49	3.37	52.74/M	BAS21WT-TP	
	75	—	150	1.0	855	K/A	A	K	BAV99WTTPMSCT-ND	.49	3.37	52.74/M	BAV99WT-TP	
	75	—	150	1.0	855	A	K	K	BAW56WTTPMSCT-ND	.49	3.37	52.74/M	BAW56WT-TP	

Fig. 5 — SOD-123

Dim.	Min.	Max.
A	3.55	3.85
B	2.55	2.85
C	1.40	1.80
D	—	1.35
E	0.30	0.78
G	0.15	—
H	—	0.25

Fig. 6 — SOD-323

Dim.	Min.	Max.
A	2.30	2.70
B	1.60	1.80
C	1.15	1.35
D	0.80	1.15
E	0.25	0.40
G	0.10	0.45
H	0.10	0.25

Fig.	VR (V)	VRM (V)	IO (mA)	IFSM (A)	VF (mV)	Digi-Key Part No.	Cut Tape Pricing		Tape and Reel† Pricing		MCC Part No.
							1	10	Qty.	Pricing	
MINIMELF - SMT											
3	50	75	200	4.0	570	DL4150TPMSCT-ND	.47	3.10	2,500	36.36/M	DL4150-TP
	75	100	150	0.500	100	DL4148-TPMSCT-ND	.37	2.52	2,500	39.56/M	DL4148-TP
	75	100	150	0.500	100	DL4448TPMSCT-ND	.39	2.58	2,500	30.30/M	DL4448-TP
DO-35											
4	75	100	150	2.0	1000	1N4148-TPMSCT-ND	.27	1.81	10,000	21.33/M	1N4148-TP
	100	100	200	1.0	100	1N914-TPCT-ND	.24	1.55	10,000	17.96/M	1N914-TP
	100	100	200	1.0	720	1N914B-TPCT-ND	.24	1.55	10,000	17.96/M	1N914B-TP
SOD-123											
5	75	100	150	0.350	100	1N4148WTTPMSCT-ND	.43	2.86	3,000	39.56/M	1N4148W-TP
	75	100	150	0.500	100	1N4448WTTPMSCT-ND	.56	3.82	3,000	52.74/M	1N4448W-TP
	75	75	200	2.0	100	BAS16WTTPMSCT-ND	.49	3.37	3,000	52.74/M	BAS16W-TP
SOD-323											
6	100	75	300	2.0	100	1N4148WXTTPMSCT-ND	.43	2.86	3,000	39.56/M	1N4148WX-TP
	75	100	250	2.0	720	1N4448WXTTPMSCT-ND	.56	3.82	3,000	52.74/M	1N4448WX-TP
	75	85	200	2.0	100	BAS16WXTTPMSCT-ND	.49	3.37	3,000	52.74/M	BAS16WX-TP
	100	100	200	0.5	1000	MMDL914MSCT-ND NEW!	.56	3.82	3,000	52.74/M	MMDL914
	100	100	200	0.5	1000	MMSD914MSCT-ND NEW!	.56	3.82	3,000	52.74/M	MMSD914
SOD-523											
7	75	100	150	1.0	715	1N4148XTTPMSCT-ND	.56	3.82	3,000	52.74/M	1N4148X-TP
	75	100	250	2.0	720	1N4448XTTPMSCT-ND	.71	4.77	3,000	65.93/M	1N4448X-TP
	75	75	—	—	0.5	715	BAS16X-TPCT-ND	.42	2.86	3,000	44.83/M
SOT-363											
8	75	100	150	1.0	100	BAS16TWMSCT-ND	.47	3.57	3,000	127.93/M	BAS16TW
	75	100	150	1.0	715	BAV70DW-TPCT-ND	.56	4.04	3,000	89.78/M	BAV70DW-TP
	75	100	150	1.0	715	BAW56DW-TPCT-ND	.56	4.04	3,000	89.78/M	BAW56DW-TP
	75	75	150	—	715	MMD4148TW-TPCT-ND	.56	4.04	3,000	89.78/M	MMD4148TW-TP
	75	—	150	—	715	BAV99DW-TPCT-ND	.58	4.14	3,000	120.35/M	BAV99DW-TP
	80	100	250	2.0	1250	MMD4448HTW-TPCT-ND	.55	4.16	3,000	149.25/M	MMD4448HTW-TP
	80	100	250	2.0	1250	MMD4448HSDW-TPCT-ND	.55	4.16	3,000	149.25/M	MMD4448HSDW-TP
SOT-523											
9	—	85	—	—	715	BAW56T-TPCT-ND	.43	3.03	3,000	67.33/M	BAW56T-TP
	—	85	—	—	715	BAV99T-TPCT-ND	.43	3.03	3,000	67.33/M	BAV99T-TP
	80	100	250	—	—	MMD4448HT-TPMSCT-ND	.54	3.76	3,000	101.00/M	MMD4448HT-TP
	80	100	250	—	—	MMD4448HTA-TPMSCT-ND	.54	3.76	3,000	101.00/M	MMD4448HTA-TP
	80	100	250	—	—	MMD4448HTS-TPMSCT-ND	.54	3.76	3,000	101.00/M	MMD4448HTS-TP

Fig. 7 — SOD-523

Dim.	Min.	Max.
A	1.50	1.70
B	1.10	1.30
C	0.75	0.85
D	0.01	0.07
E	0.25	0.35
F	0.08	0.15

Fig. 8 — SOT-363

Dim.	Min.	Max.
A	0.10	0.30
B	1.15	1.35
C	2.00	2.20
D	(0.65 Nominal)	
F	0.30	0.40
H	1.80	2.20
J	—	0.10
K	0.90	1.00

Fig. 9 — SOT-523

Dim.	Min.	Max.
A	1.50	1.70
B	0.75	0.85
C	1.45	1.75
D	(0.50 Nominal)	
E	0.90	1.10
G	—	0.10
H	0.70	0.80
K	0.25	0.35

† For Tape and Reel part number, change CT-ND to TR-ND.

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