



MH&W International Corp.  
 575 Corporate Dr, Ste 4200  
 Mahwah, NJ 07430  
 +1 (201) 891-8800  
 sales@mhw-intl.com



### ESD Protection Diodes

Article Number	Type	Package	Qualification	Config	Life Cycle	VBRmin (V)	VWM (V)	PPPM (W)	Chnl.	Vpp (kV)	Tjmax (°C)	ID@VWM (µA)
ESDALC208	SMD	SOT-26	Industrial Grade	Array	active	9	9	0	-	15	150	1
DI5315-02F-AQ	SMD	DFN1006-3	Industrial Grade	Single	active	6	5	60	2	20	125	0.1
ESD204B102-AQ	SMD	DFN1006-2	AEC-Q101	Bidirectional Single	active	14.5	14	28	1	20	150	0.05
ESD204B102	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	Sample	14.5	14	28	1	20	150	0.05
ESD36CA	SMD	SOT-23	Industrial Grade	Common Anode	active	40	36	300	-	15	150	1
ESD3V3CA	SMD	SOT-23	Industrial Grade	Common Anode	active	4.5	3.3	200	-	15	150	125
ESD3Z3V3GW	SMD	SOD-323	Industrial Grade	Unidirectional Single	Sample	4	3.3	375	-	30	125	5
ESD4A10PLC5V5Z-AQ	SMD	SOT-26	AEC-Q101	Array	Sample	6	5.5	10	4	10	125	1
ESD4A15LUC5V5Z	SMD	SOT-363	Industrial Grade	Array	Sample	6	5.5	90	4	15	125	1
ESD4E02B04-AQ	SMD	DFN2510-10	AEC-Q101	Array	active	5.8	5	60	-	30	125	0.2
ESD9BL0522P-C	SMD	DFN1006-2	Commercial Grade	Bidirectional Single	active	6	5	80	-	20	125	0.5
ESD9BL0522P-Q	SMD	DFN1006-2	AEC-Q compliant	Bidirectional Single	Sample	6	5	80	-	20	125	0.5
ESD9BL0522P	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	active	6	5	80	-	20	125	0.5
ESD9BL18P-AQ	SMD	DFN1006-2	AEC-Q101	Bidirectional Single	Sample	19	18	68	-	15	125	0.2
ESD9BL24P	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	active	26	24	350	-	30	125	0.5
ESD9BL36P	SMD	DFN1006-2	AEC-Q101	Bidirectional Single	Sample	38	36	450	-	30	125	0.5
ESD9BL5V0P-AQ	SMD	DFN1006-2	AEC-Q101	Bidirectional Single	Sample	6	5.5	55	-	10	125	0.1
ESDB1524GW-AQ	SMD	SOD-323	AEC-Q101	Asymmetric Single	active	17.1	15	200	-	30	125	0.05
ESDB1524GW-Q	SMD	SOD-323	AEC-Q compliant	Asymmetric Single	Sample	17.1	15	200	-	-	125	0.05
ESDB1524GW	SMD	SOD-323	Industrial Grade	Asymmetric Single	active	17.1	15	200	-	-	125	0.05
MMBZ27CA-AQ	SMD	SOT-23	AEC-Q101	Common Anode	active	25.65	22	40	-	-	150	0.05
MMBZ27CA-Q	SMD	SOT-23	AEC-Q compliant	Common Anode	active	25.65	22	40	-	-	150	0.05
MMBZ27CA	SMD	SOT-23	Industrial Grade	Common Anode	active	25.65	22	40	-	-	150	0.05
ESDB24D-AQ	SMD	603	AEC-Q101	Bidirectional Single	active	24.3	24	67	-	20	125	0.05
ESDB24D	SMD	603	Industrial Grade	Bidirectional Single	active	24.3	24	67	-	20	125	0.05
MMBZ18CA-AQ	SMD	SOT-23	AEC-Q101	Common Anode	Sample	17.1	14.5	40	-	-	150	50
MMBZ18CA-Q	SMD	SOT-23	AEC-Q compliant	Common Anode	active	17.1	14.5	40	-	-	150	0.05
MMBZ18CA	SMD	SOT-23	Industrial Grade	Common Anode	active	17.1	14.5	40	-	-	150	0.05
MMBZ9V1CA-AQ	SMD	SOT-23	AEC-Q101	Common Anode	Sample	8.65	6	24	-	-	150	0.3



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MMBZ9V1CA	SMD	SOT-23	Industrial Grade	Common Anode	Sample	8.65	6	24	-	-	150	0.3
MMBZ15CA-AQ	SMD	SOT-23	AEC-Q101	Common Anode	Sample	14.25	12	40	-	-	150	0.05
MMBZ15CA	SMD	SOT-23	Industrial Grade	Common Anode	active	14.25	12	40	-	-	150	0.05
ESD0541Z	SMD	603	Industrial Grade	Bidirectional Single	active	6	5	25	-	17	125	0.05
ESD07V0Z-AQ	SMD	603	AEC-Q101	Unidirectional Single	Sample	7.5	7	28	-	20	125	0.3
ESD07V0Z	SMD	603	Industrial Grade	Unidirectional Single	Sample	7.5	7	28	-	20	125	0.3
ESDB5V0WT	SMD	SOD-523	Industrial Grade	Bidirectional Single	active	5.5	5	20	-	15	125	0.1
DI5315-02F	SMD	DFN1006-3	Industrial Grade	Single	active	6.5	5	60	-	8	150	0.5
ESD4A45PLC1508	SMD	SOT-26	Industrial Grade	Array	active	6	5	45	4	15	150	1
ESDB24C-AQ	SMD	SOT-23	AEC-Q101	Asymmetric Dual	active	25.4	24	200	-	-	150	0.05
ESDB24C-Q	SMD	SOT-23	AEC-Q compliant	Asymmetric Dual	active	25.4	24	200	-	-	150	0.05
ESDB24C	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	25.4	24	200	-	-	150	0.05
MMBZ5V6CA-AQ	SMD	SOT-23	AEC-Q101	Common Anode	Sample	5.3	3	24	-	-	150	5
MMBZ5V6CA	SMD	SOT-23	Industrial Grade	Common Anode	Sample	5.3	3	24	-	-	150	5
ESD0502BA	SMD	SOT-523	Industrial Grade	Common Anode	active	6	5	70	-	20	125	0.5
ESD0521Z-AQ	SMD	603	AEC-Q compliant	Bidirectional Single	active	6	5	100	-	25	150	0.1
ESD0521Z-Q	SMD	603	AEC-Q compliant	Bidirectional Single	active	6	5	100	-	25	150	0.1
ESD0521Z	SMD	603	Industrial Grade	Bidirectional Single	active	6	5	100	-	25	150	0.1
ESD3302BA	SMD	SOT-523	Industrial Grade	Common Anode	active	5	3.3	60	-	20	125	0.2
ESD3B36WS-Q	SMD	SOD-323	AEC-Q compliant	Bidirectional Single	active	38.5	36	350	-	30	125	1
ESD3B36WS	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	38.5	36	350	-	30	125	1
ESD5B5V0WT-AQ	SMD	SOD-523	AEC-Q101	Unidirectional Single	active	5.8	5	50	-	30	150	1
ESD5B5V0WT-Q	SMD	SOD-523	AEC-Q compliant	Bidirectional Single	active	5.8	5	50	-	-	150	1
ESD5B5V0WT	SMD	SOD-523	Industrial Grade	Bidirectional Single	active	5.8	5	50	-	30	150	1
ESD9BL0521P-AQ	SMD	DFN1006-2	AEC-Q101	Bidirectional Single	Sample	6	5	100	-	25	125	0.1
ESD9BL0521P-Q	SMD	DFN1006-2	AEC-Q compliant	Bidirectional Single	active	6	5	100	-	15	125	1
ESD9BL0521P	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	active	6	5	100	-	25	125	0.1
ESD9BL0525P	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	Sample	6	5	100	-	15	125	1
ESD0519Z	SMD	603	Industrial Grade	Bidirectional Single	active	6.5	5	35	-	11	125	0.2
ESD3B24WS-AQ	SMD	SOD-323	AEC-Q101	Bidirectional Single	active	25.4	24	350	-	30	125	1



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ESD3B24WS-Q	SMD	SOD-323F	AEC-Q compliant	Bidirectional Single	Sample	25.4	24	350	-	30	-	1
ESD3B24WS	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	25.4	24	350	-	30	125	1
ESD3B3V3WSGW	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	6	5	350	-	30	125	10
ESD3B5V0WS-AQ	SMD	SOD-323	AEC-Q101	Bidirectional Single	active	6	5	350	-	30	-	10
ESD3B5V0WS-Q	SMD	SOD-323	AEC-Q compliant	Bidirectional Single	active	6	5	350	-	30	125	10
ESD3B5V0WS	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	6	5	350	-	30	125	10
ESD3V3WT	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	2.8	3.3	40	-	20	125	0.05
ESD3Z12-AQ	SMD	SOD-323F	AEC-Q101	Unidirectional Single	active	13.3	12	350	-	30	125	1
ESD3Z12	SMD	SOD-323F	Industrial Grade	Unidirectional Single	active	13.3	12	350	-	30	125	1
ESD3Z5V0-Q	SMD	SOD-323F	AEC-Q compliant	Unidirectional Single	active	6	5	350	-	30	125	10
ESD3Z5V0	SMD	SOD-323F	Industrial Grade	Unidirectional Single	active	6	5	350	-	30	125	10
ESD5V0CA	SMD	SOT-23	Industrial Grade	Common Anode	active	6	5	300	-	15	150	100
ESD5Z12-AQ	SMD	SOD-523	AEC-Q101	Unidirectional Single	active	14.1	12	240	-	30	150	0.01
ESD5Z12	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	14.1	12	240	-	30	150	0.01
ESD5Z3V3	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	5	3.3	158	-	30	150	0.05
ESD5Z5V0-AQ	SMD	SOD-523	AEC-Q101	Unidirectional Single	active	6.2	5	174	-	30	150	0.05
ESD5Z5V0-Q	SMD	SOD-523	AEC-Q compliant	Unidirectional Single	active	6.2	5	174	-	-	150	0.05
ESD5Z5V0	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	6.2	5	174	-	30	150	0.05
ESD5Z6V0	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	6.8	6	181	-	30	150	0.01
ESDB12C	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	14.2	12	200	-	-	150	0.05
ESDB15C	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	17.1	15	200	-	-	150	0.05
NUP2105AL-AQ	SMD	SOT-23	AEC-Q101	Bidirectional Dual	Sample	26.2	24	380	-	30	150	0.1
NUP2105AL-Q	SMD	SOT-23	AEC-Q compliant	Bidirectional Dual	Sample	26.2	24	380	-	30	150	0.1
NUP2105AL	SMD	SOT-23	Industrial Grade	Bidirectional Dual	Sample	26.2	24	380	-	30	150	0.1
NUP2105L-AQ	SMD	SOT-23	AEC-Q101	Bidirectional Dual	active	26.2	24	350	-	30	150	0.1
NUP2105L-Q	SMD	SOT-23	AEC-Q compliant	Bidirectional Dual	active	26.2	24	350	-	30	150	0.1
NUP2105L	SMD	SOT-23	Industrial Grade	Bidirectional Dual	active	26.2	24	350	-	30	150	0.1
NUP2405L-AQ	SMD	SOT-23	AEC-Q101	Bidirectional Dual	Sample	26.5	24	240	-	30	150	1
NUP3105L-AQ	SMD	SOT-23	AEC-Q101	Bidirectional Dual	Sample	35.6	32	500	-	16	150	0.1
NUP3105L-Q	SMD	SOT-23	AEC-Q compliant	Bidirectional Dual	active	35.6	32	500	-	16	150	0.1



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NUP3105L	SMD	SOT-23	Industrial Grade	Bidirectional Dual	active	35.6	32	500	-	16	150	0.1
ESD9BL24P-Q	SMD	DFN1006-2	AEC-Q compliant	Bidirectional Single	Sample	26.5	24	350	-	30	125	0.5
ESDSZ15	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	16.5	15	240	-	30	150	0.2
ESDSZ24	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	25.5	24	300	-	30	150	0.5
ESDBK3V3-Q	SMD	DFN1006-2	AEC-Q compliant	Bidirectional Single	Sample	4	3.3	60	-	30	150	0.4
ESDBK3V3	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	active	4	3.3	60	-	30	150	0.4
ESD9BL0524P-Q	SMD	DFN1006-2	AEC-Q compliant	Bidirectional Single	active	5.6	5	95	-	-	125	1
ESD9BL0524P	SMD	DFN1006-2	Industrial Grade	Bidirectional Single	active	5.6	5	95	-	30	125	1
PSOT36	SMD	SOT-23	Industrial Grade	Single Y	active	40	36	500	-	15	150	1
PSOT36C	SMD	SOT-23	Industrial Grade	Common Anode	active	40	36	500	-	15	150	1
ESD05B1Z	SMD	603	Industrial Grade	Bidirectional Single	active	5.8	5	170	-	30	125	0.5
ESD9L5P0	SMD	DFN1006-2	Industrial Grade	Unidirectional Single	Sample	5.8	5	160	1	30	150	0.5
ESDB70W-AQ	SMD	SOT-323	AEC-Q101	Series	active	75	70	150	-	20	125	0.1
ESDB70W	SMD	SOT-323	Industrial Grade	Series	active	75	70	150	-	20	125	0.1
ESD1V8WT	SMD	SOD-523	Industrial Grade	Unidirectional Single	active	2.2	1.8	80	-	30	125	0.05
ESD9L1P8	SMD	DFN1006-2	Industrial Grade	Unidirectional Single	active	2.2	1.8	80	-	30	125	0.05
ESDB712A	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	7.8	7	275	-	-	125	0.5
ESD3B15WS-Q	SMD	SOD-323	AEC-Q compliant	Bidirectional Single	active	16.7	15	350	-	30	125	1
ESD3B15WS	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	16.7	15	350	-	30	125	1
ESDS304DT	SMD	SOT-23-5	Industrial Grade	Array	Sample	4.5	3.6	160	4	30	125	0.2
PSOT24	SMD	SOT-23	Industrial Grade	Single Y	Sample	26.7	24	500	-	15	150	1
PSOT24C-Q	SMD	SOT-23	AEC-Q compliant	Common Anode	active	26.7	24	500	-	15	150	1
PSOT24C	SMD	SOT-23	Industrial Grade	Common Anode	active	26.7	24	500	-	15	150	1
ESDB5V0C	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	7	5	200	-	-	150	0.05
ESD3B12WS	SMD	SOD-323	Industrial Grade	Bidirectional Single	active	13.3	12	350	-	30	125	1
ESDB3V3C-AQ	SMD	SOT-23	AEC-Q101	Asymmetric Dual	active	5.8	3.3	350	-	-	150	2
ESDB3V3C-Q	SMD	SOT-23	AEC-Q compliant	Asymmetric Dual	active	5.8	3.3	350	-	-	150	2
ESDB3V3C	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	5.8	3.3	350	-	-	150	2
ESD3Z24GW-AQ	SMD	SOD-323	AEC-Q101	Unidirectional Single	active	26.7	24	550	-	30	150	0.1
ESD3Z24GW	SMD	SOD-323	Industrial Grade	Unidirectional Single	Sample	26.7	24	550	-	30	150	0.1



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ESDB712	SMD	SOT-23	Industrial Grade	Asymmetric Dual	active	7.8	7	400	-	-	125	0.5
PSOT15	SMD	SOT-23	Industrial Grade	Single Y	Sample	16.7	15	500	-	15	150	1
PSOT15C	SMD	SOT-23	Industrial Grade	Common Anode	active	16.7	15	500	-	15	150	1
ESD03B3Z	SMD	603	Industrial Grade	Bidirectional Single	active	3.7	3.3	170	-	30	125	0.5
PSOT12	SMD	SOT-23	Industrial Grade	Single Y	Sample	13.3	12	500	-	15	150	2
PSOT12C	SMD	SOT-23	Industrial Grade	Common Anode	active	13.3	12	500	-	15	150	2
PSOT08	SMD	SOT-23	Industrial Grade	Single Y	active	8.5	8	500	-	15	150	10
PSOT08C	SMD	SOT-23	Industrial Grade	Common Anode	active	8.5	8	500	-	15	150	10
PSOT05	SMD	SOT-23	Industrial Grade	Single Y	Sample	6	5	500	-	15	150	20
PSOT05C-Q	SMD	SOT-23	AEC-Q compliant	Common Anode	active	6	5	500	-	15	150	20
PSOT05C	SMD	SOT-23	Industrial Grade	Common Anode	active	6	5	500	-	15	150	20
PSOT03	SMD	SOT-23	Industrial Grade	Single Y	Sample	4	3.3	500	-	15	150	125
PSOT03C	SMD	SOT-23	Industrial Grade	Common Anode	active	4	3.3	500	-	15	150	125