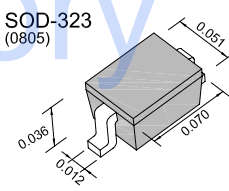


SMD 2-Terminal SOD-323 Zener - 200mW

SMD Zener

200mW Part No.	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package 7" Reel	Outline (Typ. in Inches)
			Nom. V _Z (V)	Min. V _Z (V)	Max. V _Z (V)		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
TZD2.0WS	-	2A	2.0	1.85	2.15	5	100	1000	0.5	120	1.0	3000	
TZD2.0YWS	-	2A●	2.0	1.95	2.15	5	100	1000	0.5	120	1.0		
TZD2.2WS	-	2B	2.2	2.05	2.38	5	100	1000	0.5	120	1.0		
TZD2.2YWS	-	2B●	2.2	2.16	2.38	5	100	1000	0.5	120	1.0		
TZD2.4WS	-	2C	2.4	2.28	2.60	5	100	1000	0.5	120	1.0		
TZD2.4YWS	-	2C●	2.4	2.40	2.60	5	100	1000	0.5	120	1.0		
TZD2.7WS	-	2D	2.7	2.50	2.90	5	110	1000	0.5	120	1.0		
TZD2.7YWS	-	2D●	2.7	2.65	2.90	5	110	1000	0.5	120	1.0		
TZD3.0WS	-	30	3.0	2.80	3.20	5	120	1000	0.5	50	1.0		
TZD3.0YWS	-	30●	3.0	2.95	3.20	5	120	1000	0.5	50	1.0		
TZD3.3WS	-	33	3.3	3.10	3.50	5	130	1000	0.5	20	1.0		
TZD3.3YWS	-	33●	3.3	3.25	3.50	5	130	1000	0.5	20	1.0		
TZD3.6WS	-	36	3.6	3.40	3.80	5	113	1000	0.5	10	1.0		
TZD3.6YWS	-	36●	3.6	3.60	3.845	5	113	1000	0.5	10	1.0		
TZD3.9WS	-	39	3.9	3.70	4.10	5	130	1000	0.5	10	1.0		
TZD3.9YWS	-	39●	3.9	3.89	4.16	5	130	1000	0.5	10	1.0		
TZD4.3WS	-	43	4.3	4.00	4.50	5	130	1000	0.5	5	1.0		
TZD4.3YWS	-	43●	4.3	4.17	4.43	5	130	1000	0.5	5	1.0		
TZD4.7WS	-	47	4.7	4.40	4.90	5	120	1000	0.5	5	1.0		
TZD4.7YWS	-	47●	4.7	4.55	4.75	5	120	1000	0.5	5	1.0		
TZD5.1WS	-	51	5.1	4.80	5.40	5	70	1000	0.5	1	1.5		
TZD5.1YWS	-	51●	5.1	4.98	5.20	5	70	1000	0.5	1	1.5		
TZD5.6WS	-	56	5.6	5.30	6.00	5	40	900	0.5	1	2.5		
TZD5.6YWS	-	56●	5.6	5.49	5.73	5	40	900	0.5	1	2.5		
TZD6.2WS	-	62	6.2	5.80	6.60	5	30	500	0.5	1	3.0		
TZD6.2YWS	-	62●	6.2	6.06	6.33	5	30	500	0.5	1	3.0		
TZD6.8WS	-	68	6.8	6.40	7.20	5	25	150	0.5	0.5	5.0		
TZD6.8YWS	-	68●	6.8	6.65	6.93	5	25	150	0.5	0.5	5.0		
TZD7.5WS	-	75	7.5	7.00	7.90	5	23	120	0.5	0.5	6.0		
TZD7.5YWS	-	75●	7.5	7.28	7.60	5	23	120	0.5	0.5	6.0		
TZD8.2WS	-	82	8.2	7.70	8.70	5	20	120	0.5	0.5	6.5		
TZD8.2YWS	-	82●	8.2	8.02	8.36	5	20	120	0.5	0.5	6.5		
TZD9.1WS	-	91	9.1	8.50	9.60	5	18	120	0.5	0.5	7.0		
TZD9.1YWS	-	91●	9.1	8.85	9.23	5	18	120	0.5	0.5	7.0		
TZD10WS	-	10	10	9.40	10.60	5	15	120	0.5	0.5	8.0		
TZD10YWS	-	10●	10	9.77	10.21	5	15	120	0.5	0.5	8.0		
TZD11WS	-	11	11	10.40	11.60	5	15	120	0.5	0.5	8.5		
TZD11YWS	-	11●	11	10.76	11.22	5	15	120	0.5	0.5	8.5		
TZD12WS	-	12	12	11.40	12.60	5	15	110	0.5	0.5	9.0		
TZD12YWS	-	12●	12	11.74	12.24	5	15	110	0.5	0.5	9.0		
TZD13WS	-	13	13	12.40	14.10	5	15	110	0.5	0.5	10		
TZD13YWS	-	13●	13	12.91	13.49	5	15	110	0.5	0.5	10		
TZD15WS	-	15	15	13.80	15.60	5	15	110	0.5	0.5	11		
TZD15YWS	-	15●	15	14.34	14.98	5	15	110	0.5	0.5	11		
TZD16WS	-	16	16	15.30	17.10	5	18	150	0.5	0.5	12		
TZD16YWS	-	16●	16	15.85	16.51	5	18	150	0.5	0.5	12		
TZD18WS	-	18	18	16.80	19.10	5	20	150	0.5	0.5	14		
TZD18YWS	-	18●	18	17.56	18.35	5	20	150	0.5	0.5	14		
TZD20WS	-	20	20	18.80	21.20	5	25	200	0.5	0.5	15		
TZD20YWS	-	20●	20	19.52	20.39	5	25	200	0.5	0.5	15		
TZD22WS	-	22	22	20.80	23.30	5	30	200	0.5	0.5	17		
TZD22YWS	-	22●	22	21.54	22.47	5	30	200	0.5	0.5	17		
TZD24WS	-	24	24	22.80	25.60	5	40	200	0.5	0.5	19		
TZD24YWS	-	24●	24	23.72	24.78	5	40	200	0.5	0.5	19		

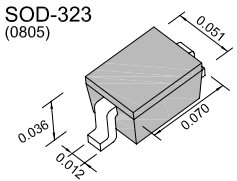
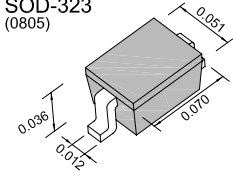
SMD 2-Terminal SOD-323 Zener - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZT52C2V4WS	-	W1	2.4	2.28	2.52	5.0	85	600	1.0	100	1.0	3000	
BZT52C2V7WS	-	W2	2.7	2.57	2.84	5.0	83	600	1.0	75	1.0		
BZT52C3V0WS	-	W3	3.0	2.85	3.15	5.0	95	600	1.0	50	1.0		
BZT52C3V3WS	-	W4	3.3	3.14	3.47	5.0	95	600	1.0	25	1.0		
BZT52C3V6WS	-	W5	3.6	3.42	3.78	5.0	95	600	1.0	15	1.0		
BZT52C3V9WS	-	W6	3.9	3.71	4.1	5.0	95	600	1.0	10	1.0		
BZT52C4V3WS	-	W7	4.3	4.09	4.52	5.0	95	600	1.0	5	1.0		
BZT52C4V7WS	-	W8	4.7	4.47	4.94	5.0	78	500	1.0	5	1.0		
BZT52C5V1WS	-	W9	5.1	4.85	5.36	5.0	60	480	1.0	0.1	0.8		
BZT52C5V6WS	-	WA	5.6	5.32	5.88	5.0	40	400	1.0	0.1	1.0		
BZT52C6V2WS	-	WB	6.2	5.89	6.51	5.0	10	150	1.0	0.1	2.0		
BZT52C6V8WS	-	WC	6.8	6.46	7.14	5.0	8	80	1.0	0.1	3.0		
BZT52C7V5WS	-	WD	7.5	7.13	7.88	5.0	7	80	1.0	0.1	5.0		
BZT52C8V2WS	-	WE	8.2	7.79	8.61	5.0	7	80	1.0	0.1	6.0		
BZT52C8V7WS	-	87C	8.7	8.27	9.14	5.0	7	100	1.0	0.1	6.5		
BZT52C9V1WS	-	WF	9.1	8.65	9.56	5.0	10	100	1.0	0.1	7.0		
BZT52C10WS	-	WG	10	9.50	10.50	5.0	15	150	1.0	0.1	7.5		
BZT52C11WS	-	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.5		
BZT52C12WS	-	WI	12	11.40	12.60	5.0	20	150	1.0	0.1	9.0		
BZT52C13WS	-	WK	13	12.35	13.65	5.0	25	170	1.0	0.1	10.0		
BZT52C14WS	-	WJ	14	13.30	14.70	5.0	25	170	1.0	0.1	10.5		
BZT52C15WS	-	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	11.0		
BZT52C16WS	-	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	12.0		
BZT52C17WS	-	17C	17	16.15	17.85	5.0	40	200	1.0	0.1	13.0		
BZT52C18WS	-	WN	18	17.10	18.90	5.0	50	225	1.0	0.1	14.0		
BZT52C20WS	-	WO	20	19.0	21.0	5.0	50	225	1.0	0.1	15.0		
BZT52C22WS	-	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	17.0		
BZT52C24WS	-	WR	24	22.80	25.20	5.0	80	250	1.0	0.1	18.0		
BZT52C27WS	-	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	20.0		
BZT52C28WS	-	28C	28	26.60	29.40	5.0	80	300	1.0	0.1	22.0		
BZT52C30WS	-	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	22.5		
BZT52C33WS	-	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.0		
BZT52C36WS	-	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.0		
BZT52C39WS	-	WX	39	37.05	40.95	5.0	90	350	1.0	0.1	29.0		
BZT52C43WS	-	WY	43	40.85	45.15	5.0	100	700	1.0	0.1	32.0		
BZT52C47WS	-	WZ	47	44.65	49.35	5.0	100	750	1.0	0.1	35.0		
BZT52C51WS	-	XA	51	48.45	53.55	5.0	100	750	1.0	0.1	38.0		
BZX384C3V9	-	W6	3.9	3.70	4.10	5.0	95	600	1.0	3.00	1.0	3000	
BZX384C4V3	-	W7	4.3	4.00	4.60	5.0	90	600	1.0	3.00	1.0		
BZX384C4V7	-	W8	4.7	4.40	5.00	5.0	80	500	1.0	3.00	2.0		
BZX384C5V1	-	W9	5.1	4.80	5.40	5.0	60	480	1.0	2.00	2.0		
BZX384C5V6	-	WA	5.6	5.20	6.00	5.0	40	400	1.0	1.00	2.0		
BZX384C6V2	-	WB	6.2	5.80	6.60	5.0	10	150	1.0	3.00	4.0		
BZX384C6V8	-	WC	6.8	6.40	7.20	5.0	15	80	1.0	2.00	4.0		
BZX384C7V5	-	WD	7.5	7.00	7.90	5.0	15	80	1.0	1.00	5.0		
BZX384C8V2	-	WE	8.2	7.70	8.70	5.0	15	80	1.0	0.70	5.0		

SMD 2-Terminal SOD-323 Zener - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I _{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)		
			Nom.	Min.	Max.		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)				
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel			
BZX384C9V1	-	WF	9.1	8.50	9.60	5.0	15	100	1.0	0.50	6.0	3000			
BZX384C10	-	WG	10	9.40	10.6	5.0	20	150	1.0	0.20	7.0				
BZX384C11	-	WH	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0				
BZX384C12	-	WI	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0				
BZX384C13	-	WK	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0				
BZX384C15	-	WL	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5				
BZX384C16	-	WM	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2				
BZX384C18	-	WN	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6				
BZX384C20	-	WO	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0				
BZX384C22	-	WP	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4				
BZX384C24	-	WR	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8				
BZX384C27	-	WS	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9				
BZX384C30	-	WT	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0				
BZX384C33	-	WU	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1				
BZX384C36	-	WW	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2				
BZX384C39	-	WX	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3				
BZX384C43	-	WY	43	40.0	46.0	2.0	150	375	0.5	0.05	30.1				
BZX384C47	-	WZ	47	44.0	50.0	2.0	170	375	0.5	0.05	32.9				
BZX384C51	-	X1	51	48.0	54.0	2.0	180	400	0.5	0.05	35.7				
BZX384C56	-	X2	56	52.0	60.0	2.0	200	425	0.5	0.05	39.2				
BZX384C62	-	X3	62	58.0	66.0	2.0	215	450	0.5	0.05	43.4				
BZX384C68	-	X4	68	64.0	72.0	2.0	240	475	0.5	0.05	47.6				
BZX384C75	-	X5	75	70.0	79.0	2.0	255	500	0.5	0.05	52.2				
MMSZ5221BWS	-	C1	2.4	2.28	2.52	20	30	1200	0.25	100	1.0			3000	
MMSZ5222BWS	-	C2	2.5	2.38	2.63	20	30	1250	0.25	100	1.0				
MMSZ5223BWS	-	C3	2.7	2.57	2.84	20	30	1300	0.25	75	1.0				
MMSZ5225BWS	-	C5	3.0	2.85	3.15	20	30	1600	0.25	50	1.0				
MMSZ5226BWS	-	D1	3.3	3.14	3.47	20	28	1600	0.25	25	1.0				
MMSZ5227BWS	-	D2	3.6	3.42	3.78	20	24	1700	0.25	15	1.0				
MMSZ5228BWS	-	D3	3.9	3.71	4.1	20	23	1900	0.25	10	1.0				
MMSZ5229BWS	-	D4	4.3	4.09	4.52	20	22	2000	0.25	5.0	1.0				
MMSZ5230BWS	-	D5	4.7	4.47	4.94	20	19	1900	0.25	5.0	2.0				
MMSZ5231BWS	-	E1	5.1	4.85	5.36	20	17	1600	0.25	5.0	2.0				
MMSZ5232BWS	-	E2	5.6	5.32	5.88	20	11	1600	0.25	5.0	3.0				
MMSZ5233BWS	-	E3	6.0	5.70	6.30	20	7	1600	0.25	5.0	3.5				
MMSZ5234BWS	-	E4	6.2	5.89	6.51	20	7	1000	0.25	5.0	4.0				
MMSZ5235BWS	-	E5	6.8	6.46	7.14	20	5	750	0.25	3.0	5.0				
MMSZ5236BWS	-	F1	7.5	7.13	7.88	20	6	500	0.25	3.0	6.0				
MMSZ5237BWS	-	F2	8.2	7.79	8.61	20	8	500	0.25	3.0	6.5				
MMSZ5238BWS	-	F3	8.7	8.27	9.14	20	8	600	0.25	3.0	6.5				
MMSZ5239BWS	-	F4	9.1	8.65	9.56	20	10	600	0.25	3.0	7.0				
MMSZ5240BWS	-	F5	10	9.50	10.50	20	17	600	0.25	3.0	8.0				
MMSZ5241BWS	-	H1	11	10.45	11.55	20	22	600	0.25	2.0	8.4				
MMSZ5242BWS	-	H2	12	11.40	12.60	20	30	600	0.25	1.0	9.1				
MMSZ5243BWS	-	H3	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9				
MMSZ5244BWS	-	H4	14	13.30	14.70	9.0	15	600	0.25	0.1	10				
MMSZ5245BWS	-	H5	15	14.25	15.75	8.5	16	600	0.25	0.1	11				
MMSZ5246BWS	-	J1	16	15.20	16.80	7.8	17	600	0.25	0.1	12				
MMSZ5247BWS	-	J2	17	16.15	17.85	7.4	19	600	0.25	0.1	13				
MMSZ5248BWS	-	J3	18	17.10	18.90	7.0	21	600	0.25	0.1	14				
MMSZ5249BWS	-	J4	19	18.05	19.95	6.6	23	600	0.25	0.1	14				
MMSZ5250BWS	-	J5	20	19.00	21.00	6.2	25	600	0.25	0.1	15				
MMSZ5251BWS	-	K1	22	20.90	23.10	5.6	29	600	0.25	0.1	17				
MMSZ5252BWS	-	K2	24	22.80	25.20	5.2	33	600	0.25	0.1	18				
MMSZ5253BWS	-	K3	25	23.75	26.25	5.0	35	600	0.25	0.1	19				
MMSZ5254BWS	-	K4	27	25.65	28.35	4.6	41	600	0.25	0.1	21				
MMSZ5255BWS	-	K5	28	26.60	29.40	4.5	44	600	0.25	0.1	21				

SMD 2-Terminal SOD-323 Zener - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.			V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)	7" Reel	
MMSZ5256BWS	-	M1	30	28.50	31.50	4.2	49	600	0.25	0.1	23	3000	SOD-323 (0805)
MMSZ5257BWS	-	M2	33	31.35	34.65	3.8	58	700	0.25	0.1	25		
MMSZ5258BWS	-	M3	36	34.20	37.8	3.4	70	700	0.25	0.1	27		
MMSZ5259BWS	-	M4	39	37.05	40.95	3.2	80	800	0.25	0.1	30		
MMSZ5260BWS	-	M5	43	40.85	45.15	3.0	93	900	0.25	0.1	33		
MMSZ5261BWS	-	N1	47	44.65	49.35	2.7	105	1000	0.25	0.1	36		
MMSZ5262BWS	-	N2	51	48.45	53.55	2.5	125	1100	0.25	0.1	39		