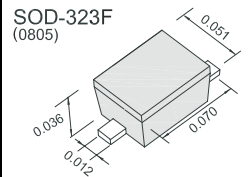


SMD 2-Terminal SOD-323(F) Zener - 200mW

SMD Zener

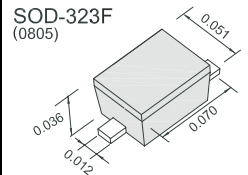
200mW	Cross Reference	Marking Code	Normal Zener Voltage			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I _R @ V _R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z _{KT} @ I _{ZT}	Z _{KK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)		
Part No.			V _Z (V)	V _Z (V)	V _Z (V)	I _{ZT} (mA)	Z _{KT} @ I _{ZT}	Z _{KK} @ I _{ZK}	I _{ZK} (mA)	I _R (μA)	V _R (V)	7" Reel	
BZT52C2V4WS	BZX384C2V4-F	W1	2.4	2.28	2.52	5.0	85	600	1.0	100	1.0	3000	
BZT52C2V7WS	BZX384C2V7-F	W2	2.7	2.57	2.84	5.0	83	600	1.0	75	1.0		
BZT52C3V0WS	BZX384C3V0-F	W3	3.0	2.85	3.15	5.0	95	600	1.0	50	1.0		
BZT52C3V3WS	BZX384C3V3-F	W4	3.3	3.14	3.47	5.0	95	600	1.0	25	1.0		
BZT52C3V6WS	BZX384C3V6-F	W5	3.6	3.42	3.78	5.0	95	600	1.0	15	1.0		
BZT52C3V9WS	BZX384C3V9-F	W6	3.9	3.71	4.10	5.0	95	600	1.0	10	1.0		
BZT52C4V3WS	BZX384C4V3-F	W7	4.3	4.09	4.52	5.0	95	600	1.0	5	1.0		
BZT52C4V7WS	BZX384C4V7-F	W8	4.7	4.47	4.94	5.0	78	500	1.0	5	1.0		
BZT52C5V1WS	BZX384C5V1-F	W9	5.1	4.85	5.36	5.0	60	480	1.0	0.1	0.8		
BZT52C5V6WS	BZX384C5V6-F	WA	5.6	5.32	5.88	5.0	40	400	1.0	0.1	1.0		
BZT52C6V2WS	BZX384C6V2-F	WB	6.2	5.89	6.51	5.0	10	150	1.0	0.1	2.0		
BZT52C6V8WS	BZX384C6V8-F	WC	6.8	6.46	7.14	5.0	8	80	1.0	0.1	3.0		
BZT52C7V5WS	BZX384C7V5-F	WD	7.5	7.13	7.88	5.0	7	80	1.0	0.1	5.0		
BZT52C8V2WS	BZX384C8V2-F	WE	8.2	7.79	8.61	5.0	7	80	1.0	0.1	6.0		
BZT52C8V7WS	BZX384C8V7-F	87C	8.7	8.27	9.14	5.0	7	100	1.0	0.1	6.5		
BZT52C9V1WS	BZX384C9V1-F	WF	9.1	8.65	9.56	5.0	10	100	1.0	0.1	7.0		
BZT52C10WS	BZX384C10-F	WG	10	9.50	10.50	5.0	15	150	1.0	0.1	7.5		
BZT52C11WS	BZX384C11-F	WH	11	10.45	11.55	5.0	20	150	1.0	0.1	8.5		
BZT52C12WS	BZX384C12-F	WI	12	11.40	12.60	5.0	20	150	1.0	0.1	9.0		
BZT52C13WS	BZX384C13-F	WK	13	12.35	13.65	5.0	25	170	1.0	0.1	10.0		
BZT52C14WS	BZX384C14-F	WJ	14	13.30	14.70	5.0	25	170	1.0	0.1	10.5		
BZT52C15WS	BZX384C15-F	WL	15	14.25	15.75	5.0	30	200	1.0	0.1	11.0		
BZT52C16WS	BZX384C16-F	WM	16	15.20	16.80	5.0	40	200	1.0	0.1	12.0		
BZT52C17WS	BZX384C17-F	17C	17	16.15	17.85	5.0	40	200	1.0	0.1	13.0		
BZT52C18WS	BZX384C18-F	WN	18	17.10	18.90	5.0	50	225	1.0	0.1	14.0		
BZT52C20WS	BZX384C20-F	WO	20	19.0	21.0	5.0	50	225	1.0	0.1	15.0		
BZT52C22WS	BZX384C22-F	WP	22	20.90	23.10	5.0	55	250	1.0	0.1	17.0		
BZT52C24WS	BZX384C24-F	WR	24	22.80	25.20	5.0	80	250	1.0	0.1	18.0		
BZT52C27WS	BZX384C27-F	WS	27	25.65	28.35	5.0	80	300	1.0	0.1	20.0		
BZT52C28WS	BZX384C28-F	28C	28	26.60	29.40	5.0	80	300	1.0	0.1	22.0		
BZT52C30WS	BZX384C30-F	WT	30	28.50	31.50	5.0	80	300	1.0	0.1	22.5		
BZT52C33WS	BZX384C33-F	WU	33	31.35	34.65	5.0	80	325	1.0	0.1	25.0		
BZT52C36WS	BZX384C36-F	WW	36	34.20	37.80	5.0	90	350	1.0	0.1	27.0		
BZT52C39WS	BZX384C39-F	WX	39	37.05	40.95	5.0	90	350	1.0	0.1	29.0		
BZT52C43WS	BZX384C43-F	WY	43	40.85	45.15	5.0	100	375	1.0	0.1	32.0		
BZT52C47WS	BZX384C47-F	WZ	47	44.65	49.35	5.0	100	375	1.0	0.1	35.0		
BZT52C51WS	BZX384C51-F	XA	51	48.45	53.55	5.0	100	400	1.0	0.1	38.0		
BZT52C56WS	BZX384C56-F	X2	56	53.20	58.80	2.5	135	1000	1.0	0.1	42.0		
BZT52C62WS	BZX384C62-F	X3	62	58.90	65.10	2.5	150	1000	1.0	0.1	46.0		
BZT52C68WS	BZX384C68-F	X4	68	64.60	71.40	2.5	200	1000	1.0	0.1	51.0		
BZT52C75WS	BZX384C75-F	X5	75	71.25	78.75	2.5	250	1000	1.0	0.1	56.0		
BZX384C3V6-F	BZT52C3V6WS	W5	3.6	3.40	3.80	5.0	90	600	1.0	5.00	1.0		
BZX384C3V9-F	BZT52C3V9WS	W6	3.9	3.70	4.10	5.0	90	600	1.0	3.00	1.0		
BZX384C4V3-F	BZT52C4V3WS	W7	4.3	4.00	4.60	5.0	90	600	1.0	3.00	1.0		
BZX384C4V7-F	BZT52C4V7WS	W8	4.7	4.40	5.00	5.0	80	500	1.0	3.00	2.0		
BZX384C5V1-F	BZT52C5V1WS	W9	5.1	4.80	5.40	5.0	60	480	1.0	2.00	2.0		
BZX384C5V6-F	BZT52C5V6WS	WA	5.6	5.20	6.00	5.0	40	400	1.0	1.00	2.0		
BZX384C6V2-F	BZT52C6V2WS	WB	6.2	5.80	6.60	5.0	10	150	1.0	3.00	4.0		
BZX384C6V8-F	BZT52C6V8WS	WC	6.8	6.40	7.20	5.0	15	80	1.0	2.00	4.0		
BZX384C7V5-F	BZT52C7V5WS	WD	7.5	7.00	7.90	5.0	15	80	1.0	1.00	5.0		
BZX384C8V2-F	BZT52C8V2WS	WE	8.2	7.70	8.70	5.0	15	80	1.0	0.70	5.0		
BZX384C9V1-F	BZT52C9V1WS	WF	9.1	8.50	9.60	5.0	15	100	1.0	0.50	6.0		
BZX384C10-F	BZT52C10WS	WG	10	9.40	10.6	5.0	20	150	1.0	0.20	7.0		
BZX384C11-F	BZT52C11WS	WH	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0		
BZX384C12-F	BZT52C12WS	WI	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0		
BZX384C13-F	BZT52C13WS	WK	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0		
BZX384C15-F	BZT52C15WS	WL	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5		
BZX384C16-F	BZT52C16WS	WM	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2		



SMD 2-Terminal SOD-323(F) Zener - 200mW

SMD Zener

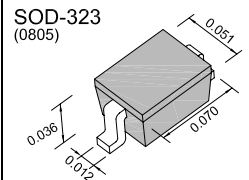
200mW	Cross Reference	Marking Code	Normal Zener Voltage			Test Current	Max. Zener Impedance (Ω)			Max. Reverse Leakage Current I_R @ V_R		Package	Outline (Typ. in Inches)
			Nom.	Min.	Max.		Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK} (mA)	I_R (μ A)	V_R (V)		
Part No.			V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (mA)						7" Reel	
BZX384C18-F	BZT52C18WS	WN	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6	3000	
BZX384C20-F	BZT52C20WS	WO	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0		
BZX384C22-F	BZT52C22WS	WP	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4		
BZX384C24-F	BZT52C24WS	WR	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8		
BZX384C27-F	BZT52C27WS	WS	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9		
BZX384C30-F	BZT52C30WS	WT	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0		
BZX384C33-F	BZT52C33WS	WU	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1		
BZX384C36-F	BZT52C36WS	WW	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2		
BZX384C39-F	BZT52C39WS	WX	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3		
BZX384C43-F	BZT52C43WS	WY	43	40.0	46.0	2.0	150	375	0.5	0.05	30.1		
BZX384C47-F	BZT52C47WS	WZ	47	44.0	50.0	2.0	170	375	0.5	0.05	32.9		
BZX384C51-F	BZT52C51WS	X1	51	48.0	54.0	2.0	180	400	0.5	0.05	35.7		
BZX384C56-F	BZT52C56WS	X2	56	52.0	60.0	2.0	200	425	0.5	0.05	39.2		
BZX384C62-F	BZT52C62WS	X3	62	58.0	66.0	2.0	215	450	0.5	0.05	43.4		
BZX384C68-F	BZT52C68WS	X4	68	64.0	72.0	2.0	240	475	0.5	0.05	47.6		
BZX384C75-F	BZT52C75WS	X5	75	70.0	79.0	2.0	255	500	0.5	0.05	52.5		
MMSZ5221BWS	-	C1	2.4	2.28	2.52	20	30	1200	0.25	100	1.0		
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	10.5		
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	7.5	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		
MMSZ5256BWS	-	M1	30	28.50	31.50	4.2	49	600	0.25	0.1	23		
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		



SMD 2-Terminal SOD-323(F) Zener - 200mW

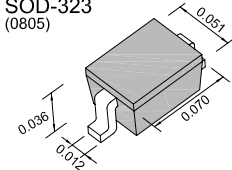
SMD Zener

200mW	Cross Reference	Marking Code	Normal Zener Voltage			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	
BZX384C2V4	-	00	2.4	2.2	2.6	5.0	100	1000	0.5	50.0	1.0	3000	
BZX384C2V7	-	01	2.7	2.5	2.9	5.0	100	1000	0.5	20.0	1.0		
BZX384C3V0	-	02	3.0	2.8	3.2	5.0	100	1000	0.5	10.0	1.0		
BZX384C3V3	-	05	3.3	3.1	3.5	5.0	95	1000	0.5	5.00	1.0		
BZX384C3V6	-	06	3.6	3.4	3.8	5.0	90	1000	0.5	5.00	1.0		
BZX384C3V9	-	07	3.9	3.7	4.1	5.0	90	1000	0.5	3.00	1.0		
BZX384C4V3	-	08	4.3	4.0	4.6	5.0	90	1000	0.5	3.00	1.0		
BZX384C4V7	-	09	4.7	4.4	5.0	5.0	80	800	0.5	3.00	2.0		
BZX384C5V1	-	0A	5.1	4.8	5.4	5.0	60	500	0.5	2.00	2.0		
BZX384C5V6	-	0C	5.6	5.2	6.0	5.0	40	200	0.5	1.00	2.0		
BZX384C6V2	-	0E	6.2	5.8	6.6	5.0	10	100	0.5	3.00	4.0		
BZX384C6V8	-	0F	6.8	6.4	7.2	5.0	15	160	0.5	2.00	4.0		
BZX384C7V5	-	0G	7.5	7.0	7.9	5.0	15	160	0.5	1.00	5.0		
BZX384C8V2	-	0H	8.2	7.7	8.7	5.0	15	160	0.5	0.70	5.0		
BZX384C9V1	-	0K	9.1	8.5	9.6	5.0	15	160	0.5	0.20	7.0		
BZX384C10	-	0L	10	9.4	10.6	5.0	20	160	0.5	0.10	8.0		
BZX384C11	-	0M	11	10.4	11.6	5.0	20	160	0.5	0.10	8.0		
BZX384C12	-	0N	12	11.4	12.7	5.0	25	80	0.5	0.10	8.0		
BZX384C13	-	0P	13.25	12.4	14.1	5.0	30	80	0.5	0.10	8.0		
BZX384C15	-	0T	15	14.3	15.8	5.0	30	80	0.5	0.05	10.5		
BZX384C16	-	0U	16.2	15.3	17.1	5.0	40	80	0.5	0.05	11.2		
BZX384C18	-	0W	18	16.8	19.1	5.0	45	80	0.5	0.05	12.6		
BZX384C20	-	0Z	20	18.8	21.2	5.0	55	100	0.5	0.05	14.0		
BZX384C22	-	10	22	20.8	23.3	5.0	55	100	0.5	0.05	15.4		
BZX384C24	-	11	24.2	22.8	25.6	5.0	70	120	0.5	0.05	16.8		
BZX384C27	-	12	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9		
BZX384C30	-	14	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0		
BZX384C33	-	18	33	31.0	35.0	2.0	80	300	0.5	0.05	23.2		
BZX384C36	-	19	36	34.0	38.0	2.0	90	500	0.5	0.05	25.2		
BZX384C39	-	20	39	37.0	41.0	2.0	130	500	0.5	0.05	27.3		
BZX384C43	-	21	43	40.0	46.0	2.0	150	500	0.5	0.05	30.1		
BZX384C47	-	1A	47	44.0	50.0	2.0	170	500	0.5	0.05	32.9		
BZX384C51	-	1C	51	48.0	54.0	2.0	180	500	0.5	0.05	35.7		
BZX384C56	-	1D	56	52.0	60.0	2.0	200	500	0.5	0.05	39.2		
BZX384C62	-	1E	62	58.0	66.0	2.0	215	500	0.5	0.05	43.4		
BZX384C68	-	1F	68	64.0	72.0	2.0	240	500	0.5	0.05	47.6		
BZX384C75	-	1G	75	70.0	79.0	2.0	255	500	0.5	0.05	52.5		
UDZS2.0B	-	02	-	2.02	2.20	5	100	1000	0.5	120	0.5		
UDZS2.2B	-	12	-	2.22	2.41	5	100	1000	0.5	120	0.7		
UDZS2.4B	-	22	-	2.43	2.63	5	100	1000	0.5	100	1.0		
UDZS2.7B	-	32	-	2.69	2.91	5	110	1000	0.5	100	1.0		
UDZS3.0B	-	42	-	3.01	3.22	5	120	1000	0.5	50	1.0		
UDZS3.3B	-	52	-	3.32	3.53	5	120	1000	0.5	20	1.0		
UDZS3.6B	-	62	-	3.60	3.845	5	100	1000	1.0	10	1.0		
UDZS3.9B	-	72	3.9	3.89	4.16	5	100	1000	1.0	5	1.0		
UDZS4.3B	-	82	4.3	4.17	4.43	5	100	1000	1.0	5	1.0		
UDZS4.7B	-	92	4.7	4.55	4.75	5	100	800	0.5	2	1.0		
UDZS5.1B	-	A2	5.1	4.98	5.20	5	80	500	0.5	2	1.5		
UDZS5.6B	-	C2	5.6	5.49	5.73	5	60	200	0.5	1	2.5		
UDZS6.2B	-	E2	6.2	6.06	6.33	5	60	100	0.5	1	3.0		
UDZS6.8B	-	F2	6.8	6.65	6.93	5	40	60	0.5	0.5	3.5		
UDZS7.5B	-	H2	7.5	7.28	7.60	5	30	60	0.5	0.5	4.0		
UDZS8.2B	-	J2	8.2	8.02	8.36	5	30	60	0.5	0.5	5.0		
UDZS12B	-	25	12	11.74	12.24	5	30	80	0.5	0.1	9.0		
UDZS13B	-	35	13	12.91	13.49	5	37	80	0.5	0.1	10.0		
UDZS15B	-	45	15	14.34	14.98	5	42	80	0.5	0.1	11.0		
UDZS16B	-	55	16	15.85	16.51	5	50	80	0.5	0.1	12.0		
UDZS18B	-	65	18	17.56	18.35	5	65	80	0.5	0.1	13.0		



SMD 2-Terminal SOD-323(F) Zener - 200mW

SMD Zener

200mW	Cross Reference	Marking Code	Normal Zener Voltage			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)						7" Reel	
UDZS20B	-	75	20	19.52	20.39	5	85	100	0.5	0.1	15.0	3000	SOD-323 (0805) 
UDZS22B	-	85	22	21.54	22.47	5	100	100	0.5	0.1	17.0		
UDZS24B	-	95	24	23.72	24.78	5	120	120	0.5	0.1	19.0		
UDZS27B	-	A5	27	26.19	27.53	5	150	150	0.5	0.1	21.0		
UDZS30B	-	C5	30	29.19	30.69	5	200	200	0.5	0.1	23.0		
UDZS33B	-	E5	33	32.15	33.79	5	250	250	0.5	0.1	25.0		
UDZS36B	-	F5	36	35.07	36.87	5	300	300	0.5	0.1	27.0		