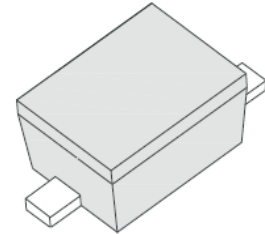


0.2W Surface Mount Zener Diodes

Features

- Planar Die construction
- 200mW Power Dissipation
- Zener Voltage 3.6v to 75v
- Ideally Suited for Automated Assembly Processes
- RoHS Compliance



SOD-323F



Mechanical Data

Case:	SOD-323F, molded plastic
Epoxy:	Plastic package has UL flammability 94V-0
Terminals:	Solderable per MIL-STD-202G, Method 208
Polarity:	Color band denotes cathode
Approx Weight:	0.0041 grams

Maximum Ratings *(T_{Ambient}=25°C unless noted otherwise)*

Symbol	Description	Value	Unit
*P _{tot}	Power Dissipation	200	mW
T _J	Operating Junction Temperature	150	°C
T _{STG}	Storage Temperature Range	-65 to 150	°C
*R _{th(j-a)}	Thermal Resistance-Junction to Ambient in free air	650	°C/W

Note: *Valid that electrodes are kept at ambient temperature.

0.2W Surface Mount Zener Diodes

BZX384C3V6-F - BZX384C75-F

Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

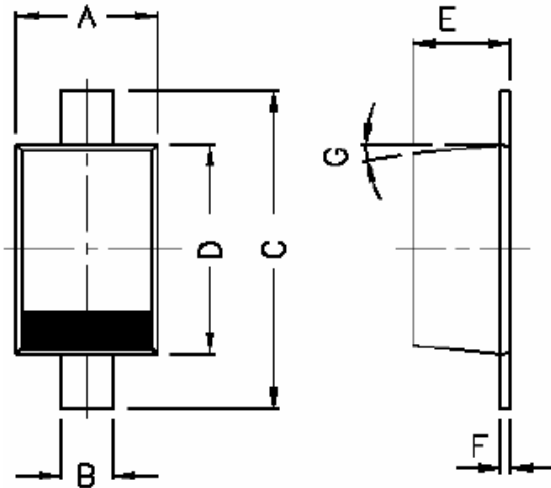
Part NO.	Marking Code	Nominal Zener Voltage @ I_{ZT}			Test Current	Max. Zener Impedance			Max. Reverse Leakage Current I_R @ V_R	
		$V_Z(V)$				$I_{ZT}(mA)$	$Z_{ZT}@ I_{ZT}$	$Z_{ZK}@ I_{ZK}$	$I_{ZK}(mA)$	$I_R(\mu A)$
		Nom.	Min.	Max.						
BZX384C3V6-F	W5	3.6	3.4	3.8	5.0	90	600	1.0	5.00	1.0
BZX384C3V9-F	W6	3.9	3.7	4.1	5.0	90	600	1.0	3.00	1.0
BZX384C4V3-F	W7	4.3	4.0	4.6	5.0	90	600	1.0	3.00	1.0
BZX384C4V7-F	W8	4.7	4.4	5.0	5.0	80	500	1.0	3.00	2.0
BZX384C5V1-F	W9	5.1	4.8	5.4	5.0	60	480	1.0	2.00	2.0
BZX384C5V6-F	WA	5.6	5.2	6.0	5.0	40	400	1.0	1.00	2.0
BZX384C6V2-F	WB	6.2	5.8	6.6	5.0	10	150	1.0	3.00	4.0
BZX384C6V8-F	WC	6.8	6.4	7.2	5.0	15	80	1.0	2.00	4.0
BZX384C7V5-F	WD	7.5	7.0	7.9	5.0	15	80	1.0	1.00	5.0
BZX384C8V2-F	WE	8.2	7.7	8.7	5.0	15	80	1.0	0.70	5.0
BZX384C9V1-F	WF	9.1	8.5	9.6	5.0	15	100	1.0	0.50	6.0
BZX384C10-F	WG	10	9.4	10.6	5.0	20	150	1.0	0.20	7.0
BZX384C11-F	WH	11	10.4	11.6	5.0	20	150	1.0	0.10	8.0
BZX384C12-F	WI	12	11.4	12.7	5.0	25	150	1.0	0.10	8.0
BZX384C13-F	WK	13	12.4	14.1	5.0	30	170	1.0	0.10	8.0
BZX384C15-F	WL	15	13.8	15.6	5.0	30	200	1.0	0.05	10.5
BZX384C16-F	WM	16	15.3	17.1	5.0	40	200	1.0	0.05	11.2
BZX384C18-F	WN	18	16.8	19.1	5.0	45	225	1.0	0.05	12.6
BZX384C20-F	WO	20	18.8	21.2	5.0	55	225	1.0	0.05	14.0
BZX384C22-F	WP	22	20.8	23.3	5.0	55	250	1.0	0.05	15.4
BZX384C24-F	WR	24	22.8	25.6	5.0	70	250	1.0	0.05	16.8
BZX384C27-F	WS	27	25.1	28.9	2.0	80	300	0.5	0.05	18.9
BZX384C30-F	WT	30	28.0	32.0	2.0	80	300	0.5	0.05	21.0
BZX384C33-F	WU	33	31.0	35.0	2.0	80	325	0.5	0.05	23.1
BZX384C36-F	WW	36	34.0	38.0	2.0	90	350	0.5	0.05	25.2
BZX384C39-F	WX	39	37.0	41.0	2.0	130	350	0.5	0.05	27.3
BZX384C43-F	WY	43	40.0	46.0	2.0	150	375	0.5	0.05	30.1
BZX384C47-F	WZ	47	44.0	50.0	2.0	170	375	0.5	0.05	32.9
BZX384C51-F	X1	51	48.0	54.0	2.0	180	400	0.5	0.05	35.7
BZX384C56-F	X2	56	52.0	60.0	2.0	200	425	0.5	0.05	39.2
BZX384C62-F	X3	62	58.0	66.0	2.0	215	450	0.5	0.05	43.4
BZX384C68-F	X4	68	64.0	72.0	2.0	240	475	0.5	0.05	47.6
BZX384C75-F	X5	75	70.0	79.0	2.0	255	500	0.5	0.05	52.5

Note: Measured with pulse $t_p=5ms$

0.2W Surface Mount Zener Diodes

BZX384C3V6-F - BZX384C75-F

Dimensions in mm



DIM	MIN.	MAX.
A	1.15	1.35
B	0.25	0.40
C	2.30	2.80
D	1.60	1.80
E	0.80	1.10
F	0.00	0.15
G	5 DEG	

SOD-323F

How to contact us

US HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800) TAITRON (800) 824-8766 (661) 257-6060

Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO C.P.

42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

TAITRON COMPONENTS INCORPORATED REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001 BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

TAITRON COMPONENTS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

CROSS REGION PLAZA, 899 LINLING ROAD, SUITE 18C, SHANGHAI, 200030, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-5424-9931