

6 2 7 Cd(w • 10c » ¼ ±1Ñ

6 2 7 3ODVWLF (QFDSVXODWH

6 2 7

(©±)HDWXUHV

z U€4ã+0LkÇ~ /RZ =HQHU ,PSHGDQFH

z 0Wï)-6G“ P: 3RZHU 'LVVLSDWLRQ RI P:

z Q0cÉW¼ M•WÄ+LJK 6WDELOLW\ DQG +LJK 5HOLD

jà ž 0HFKDQLFDO 'DWD

z 1>õ 6 2 7 1>õ 6 2 7 6PDOO 2XWOLQH 3ODVWLF 3

z ±W 8ç)ß1 jCO± 3RODULW\ &RORU EDQG GHQRWH

z)ß"WA728/ C'ó1y4x (SR[\ 8/ 9

z 1>õ}5ž +? 0RXQWLQJ 3RVLWLRQ \$Q\

±LEI¼\$YÖ(©W 7\$ • L”MŽ 9?ô Ê

0D[LPXP 5DWLQJV 7KHUPDO5&KDWDFMHEULHQWLFMPSHUDWXUH XQOHVV RWK

ò 3DUDPHWHUV	1V' 6\PERO I 9DOXH...} 8QLW		
ï)-#6G 3RZHU 'LVVLSDWLRQ	3G		P:
!“A»L})RUZDUG 9ROWDJH #,) P\$	9I		9
^Ø\$YÖ 6WRUDJH WHPHUDWXUH UDQJH	7V		
7KHUPDO UHVLVWDQFH MXQFWLRQ WR DPELHQWDELHQ:GHU FKZL GHU VW\$SSHUUVFKLFKW	5W\$. :

9DOLG SURYLGHG WKDW GHYLFH WHUPLQDOV DUH NHSW DW DPELHQW WHPHUD

7HVW ZLWK SXOVH SHULRG PV SXOVH ZLGWK XV

I .+]

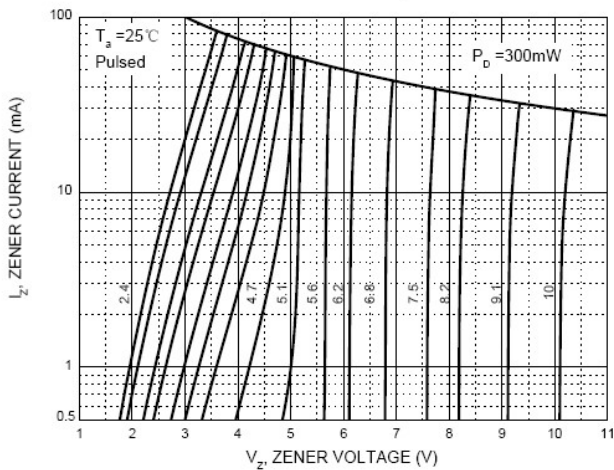
+e(©W 7\$ • L”MŽ 9?ô Ê

(OHFWULFDO &KDWDFMHEULHQWLFMPSHUDWXUH XQOHVV RWKHUZLVH VSHFLILHG

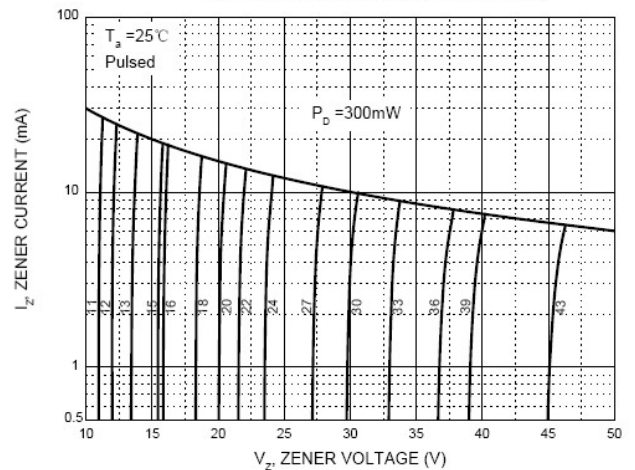
Type Number	Code	Zener Voltage Range (Note 2)				Maximum Zener Impedance (Note 3)			Maximum Reverse Current		Temperature Coefficient of Zener voltage @ $I_{ZT}=5mA$	
		$V_Z @ I_{ZT}$			I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	I_{ZK}	I_R	V_R	$mV/^{\circ}C$	
		Nom(V)	Min(V)	Max(V)	(mA)	(Ω)		(mA)	(μA)	(V)	Min	Max
BZX84C11	Y1•	11	10.4	11.6	5	20	150	1.0	0.1	8.0	5.4	9.0
BZX84C12	Y2•	12	11.4	12.7	5	25	150	1.0	0.1	8.0	6.0	10.0
BZX84C13	Y3	13	12.4	14.1	5	30	170	1.0	0.1	8.0	7.0	11.0
BZX84C15	Y4	15	13.8	15.6	5	30	200	1.0	0.1	10.5	9.2	13.0
BZX84C16	Y5	16	15.3	17.1	5	40	200	1.0	0.1	11.2	10.4	14.0
BZX84C18	Y6•	18	16.8	19.1	5	45	225	1.0	0.1	12.6	12.4	16.0
BZX84C20	Y7	20	18.8	21.2	5	55	225	1.0	0.1	14.0	14.4	18.0
BZX84C22	Y8	22	20.8	23.3	5	55	250	1.0	0.1	15.4	16.4	20.0
BZX84C24	Y9	24	22.8	25.6	5	70	250	1.0	0.1	16.8	18.4	22.0
BZX84C27	Y10	27	25.1	28.9	2	80	300	0.5	0.1	18.9	21.4	25.3
BZX84C30	Y11•	30	28.0	32.0	2	80	300	0.5	0.1	21.0	24.4	29.4
BZX84C33	Y12	33	31.0	35.0	2	80	325	0.5	0.1	23.1	27.4	33.4
BZX84C36	Y13	36	34.0	38.0	2	90	350	0.5	0.1	25.2	30.4	37.4
BZX84C39	Y14	39	37.0	41.0	2	130	350	0.5	0.1	27.3	33.4	41.2
BZX84C43	Y15	43	40.0	46.0	2	100	700	1	0.1	32	10	12

% UH DNGR ZQ F K D U D F W H U L V W L F V
 DW 7M FR QVWDQW SXOVHG

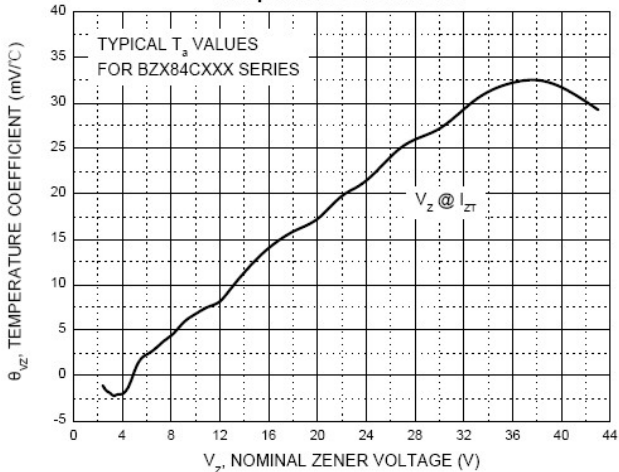
Zener Characteristics (V_Z Up to 10 V)



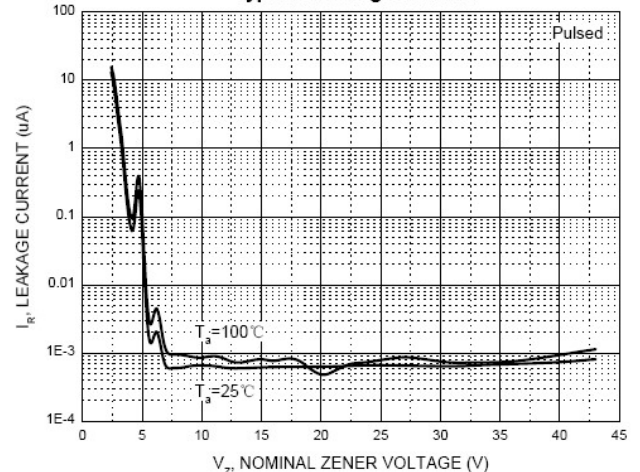
Zener Characteristics (11 V to 43 V)



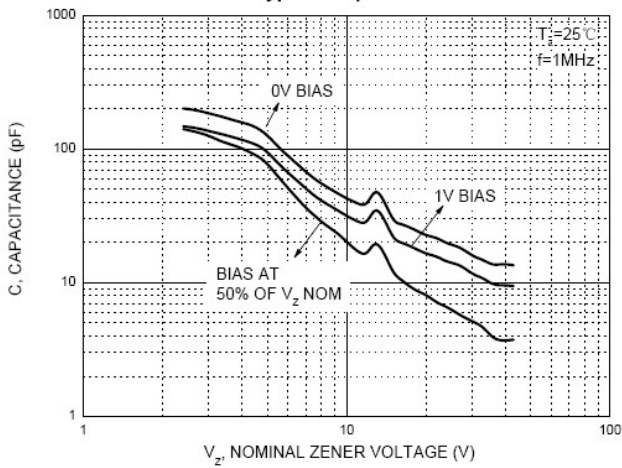
Temperature Coefficients



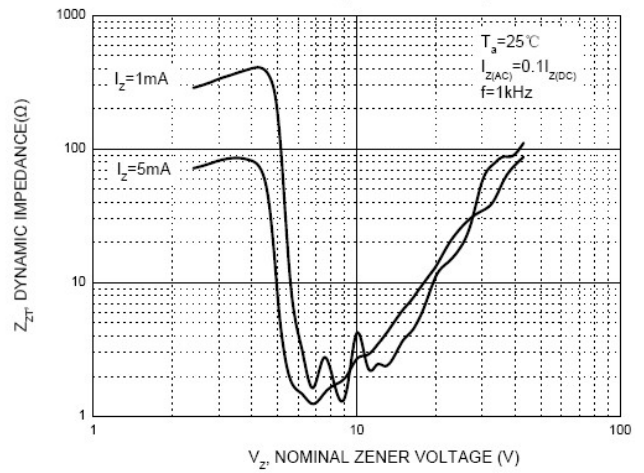
Typical Leakage Current



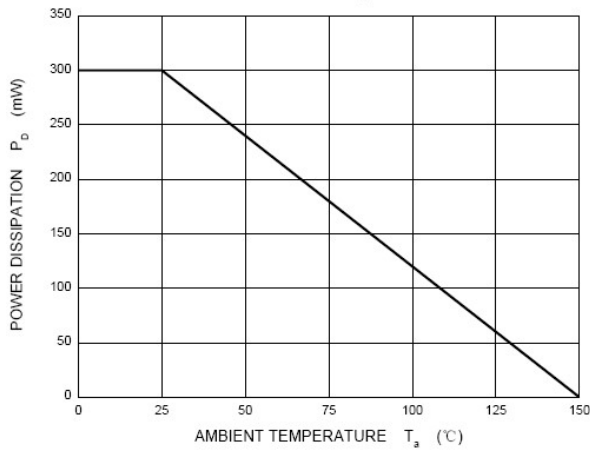
Typical Capacitance



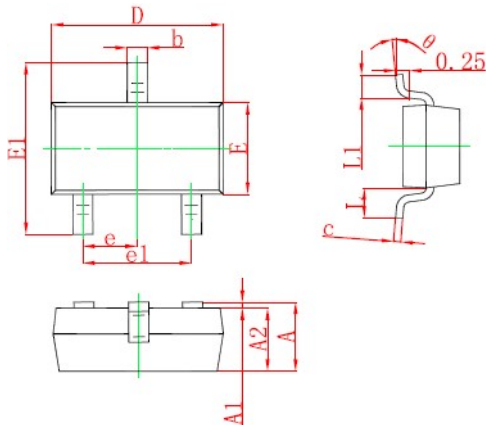
Effect of Zener Voltage on Zener Impedance



Power Derating Curve

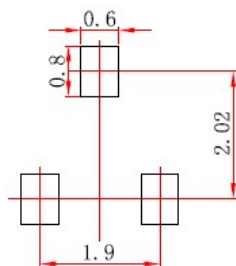


6 2 7 3 \$ & . \$ * (2 8 7 / 3 0 0 V W L F V X U I D F H P R X Q W H G S D F N D J H



Symbol	Dimensions in Millimeters		Dimensions in Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 TYP		0.037 TYP	
e1	1.800	2.000	0.071	0.079
L	0.550 REF		0.022 REF	
L1	0.300	0.500	0.012	0.020
e	0°		8°	

'- AīÑ ð63 3UHFDXWLRQV 3 & % 'HVLJQ 5HFRPPHQGHG ODQG GLPHQVLRQV IRU 6 2 7 GLRGH (OHFWURGH SDWWHUQV IRU



Note:
 1. Controlling dimension; in millimeters.
 2. General tolerance: ±0.05mm.
 3. The pad layout is for reference purposes only.