Fig. 1 Power Derating Curve
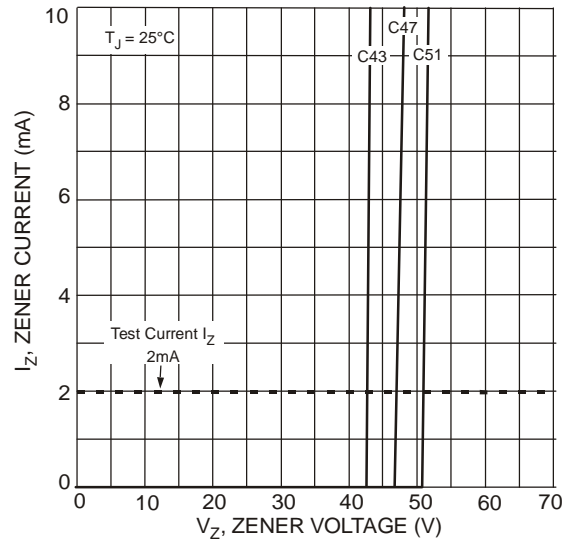

Fig. 2 Typical Zener Breakdown Characteristics
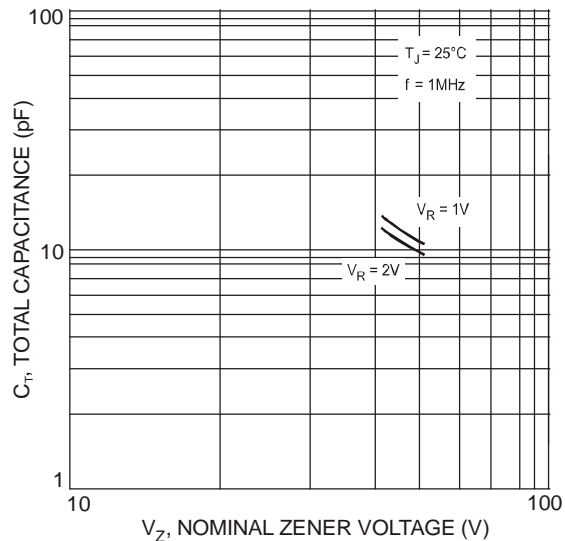

Fig. 3 Typical Total Capacitance vs. Nominal Zener Voltage
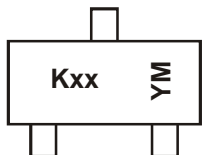
Ordering Information (Note 7)

| Part Number	Case	Packaging
(Type Number)-7-F*	SOT-23	3000/Tape & Reel

*Add "-7" to the appropriate type number in Electrical Characteristics Table on Page 2. Example: 43V Zener = BZX84C43-7-F.

Notes: 7. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information

Kxx = Product Type Marking Code
(See Electrical Characteristics Table)
YM = Date Code Marking
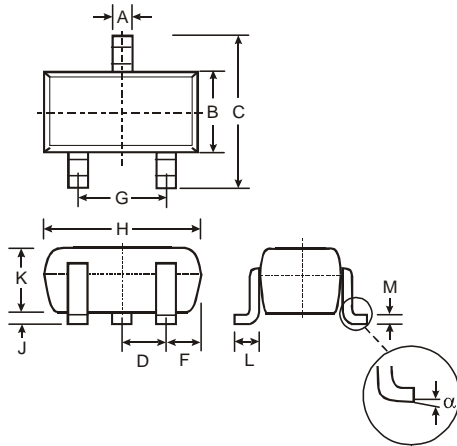Y = Year ex: T = 2006
M = Month (ex: 9 = September)
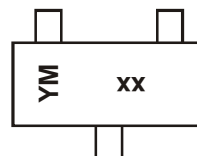
xx = Product Type Marking Code
(See Electrical Characteristics Table)
YM = Date Code Marking
Y = Year ex: T = 2006
M = Month (ex: 9 = September)

Date Code Key

Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Code	T	U	V	W	X	Y	Z	A	B	C

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Code	1	2	3	4	5	6	7	8	9	O	N	D

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Package Outline Dimensions

SOT-23		
Dim	**Min**	**Max**
A	0.37	0.51
B	1.20	1.40
C	2.30	2.50
D	0.89	1.03
F	0.45	0.60
G	1.78	2.05
H	2.80	3.00
J	0.013	0.10
K	0.903	1.10
L	0.45	0.61
M	0.085	0.180
α	0°	8°

Suggested Pad Layout
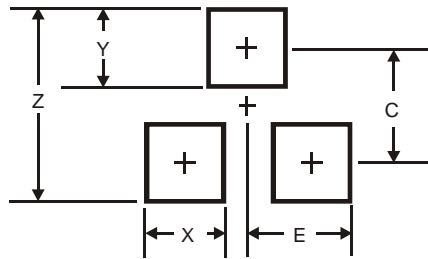
Dimensions	Value (in mm)
Z	2.9
X	0.8
Y	0.9
C	2.0
E	1.35

IMPORTANT NOTICE

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