

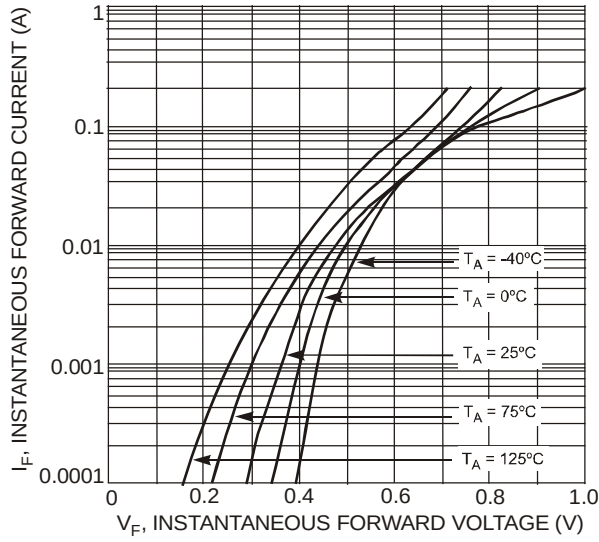


Fig. 1 Typical Forward Characteristics

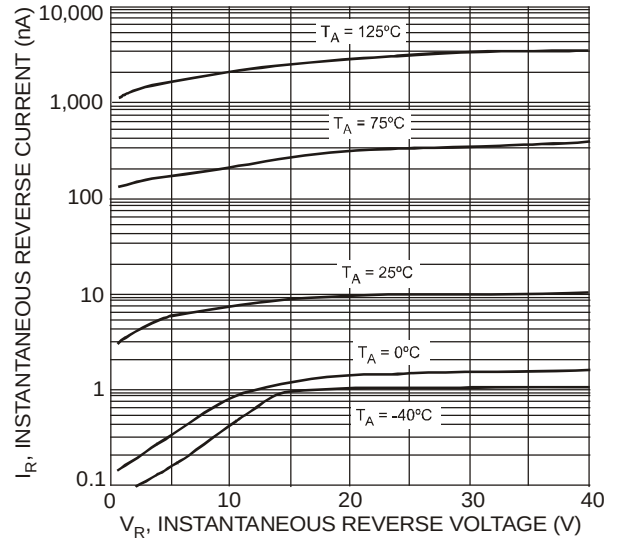


Fig. 2 Typical Reverse Characteristics

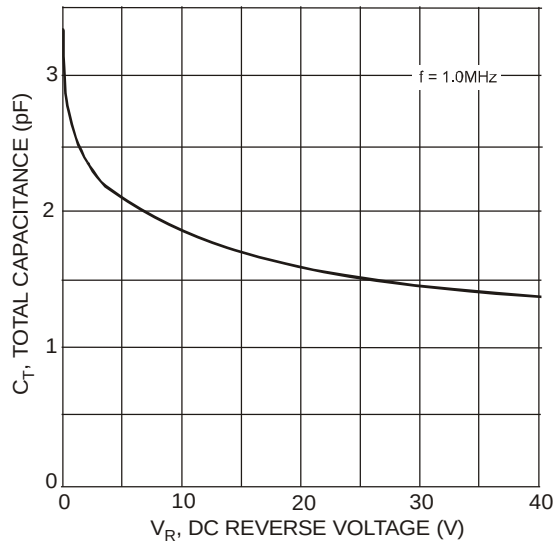


Fig. 3 Total Capacitance vs. Reverse Voltage

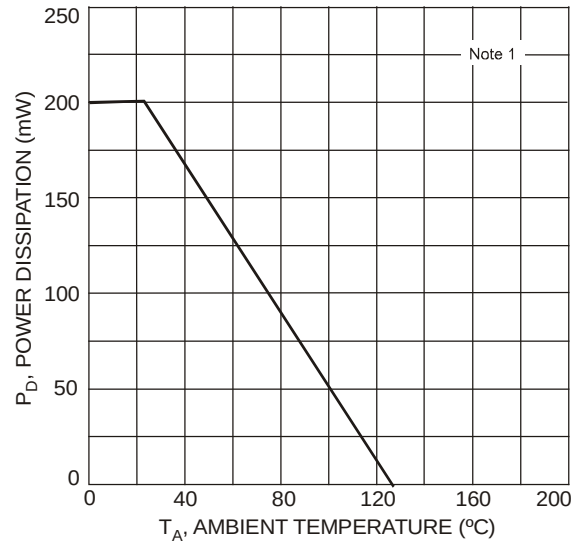


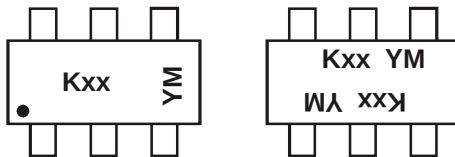
Fig. 4 Power Derating Curve, Total Package

Ordering Information (Note 6)

Part Number	Case	Packaging
BAS40TW-7-F	SOT-363	3000/Tape & Reel
BAS40DW-04-7-F	SOT-363	3000/Tape & Reel
BAS40DW-05-7-F	SOT-363	3000/Tape & Reel
BAS40DW-06-7-F	SOT-363	3000/Tape & Reel
BAS40BRW-7-F	SOT-363	3000/Tape & Reel

Notes: 6. For packaging details, go to our website at <http://www.diodes.com/datasheets/ap02007.pdf>.

Marking Information



Kxx = Product Type Marking Code

K43 = BAS40TW

K44 = BAS40DW-04

K45 = BAS40DW-05

K46 = BAS40DW-06

K47 = BAS40BRW

For Asymmetrical Configuration, orientation indicator as shown

For Symmetrical Configuration, no orientation indicator

YM = Date Code Marking

Y = Year (ex: N = 2002)

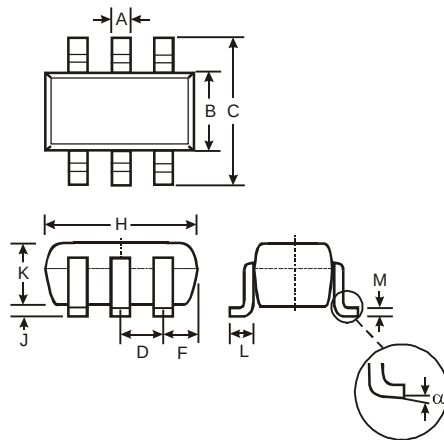
M = Month (ex: 9 = September)

Date Code Key

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Code	L	M	N	P	R	S	T	U	V	W	X	Y	Z	A	B	C

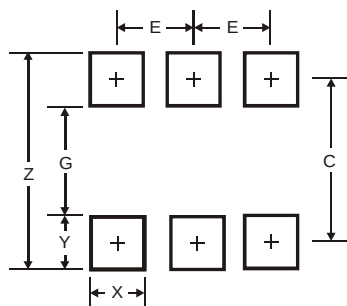
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Code	1	2	3	4	5	6	7	8	9	O	N	D

Package Outline Dimensions



SOT-363		
Dim	Min	Max
A	0.10	0.30
B	1.15	1.35
C	2.00	2.20
D	0.65 Nominal	
F	0.40	0.45
H	1.80	2.20
J	0	0.10
K	0.90	1.00
L	0.25	0.40
M	0.10	0.22
α	0°	8°
All Dimensions in mm		

Suggested Pad Layout



Dimensions	Value (in mm)
Z	2.5
G	1.3
X	0.42
Y	0.6
C	1.9
E	0.65

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