

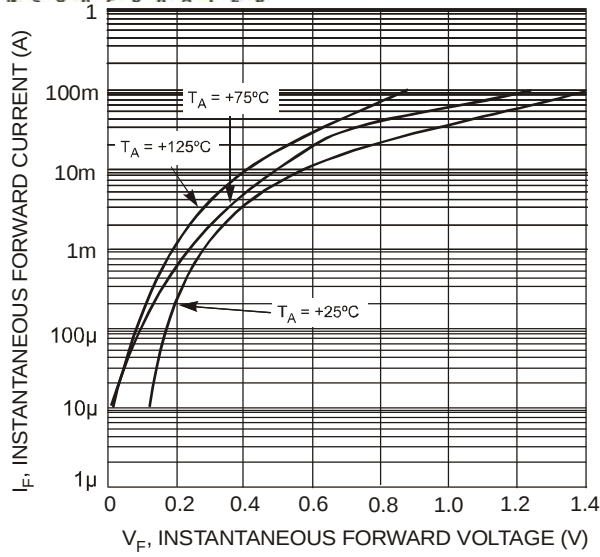


Fig. 1 Typical Forward Characteristics

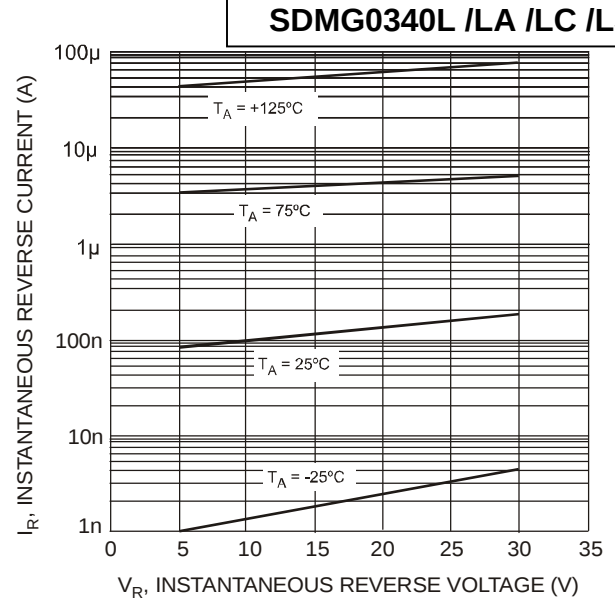


Fig. 2 Typical Reverse Characteristics

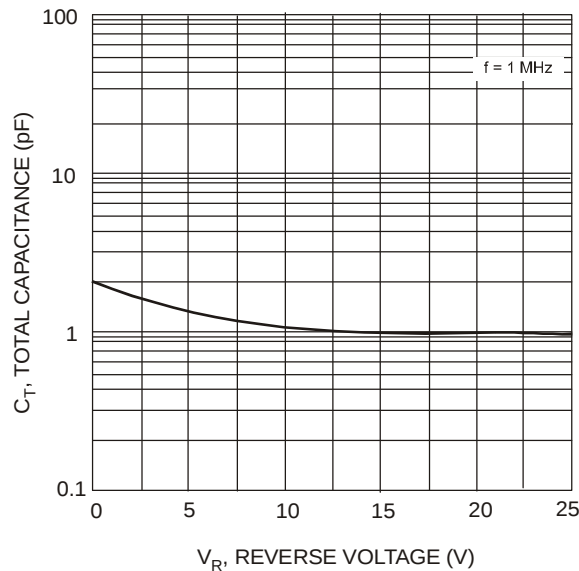


Fig. 3 Typical Total Capacitance, per Element

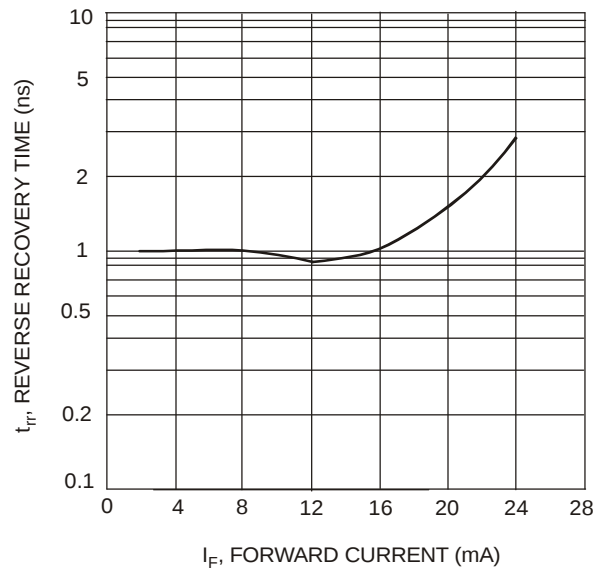


Fig. 4 Typical Reverse Recovery Time Characteristics

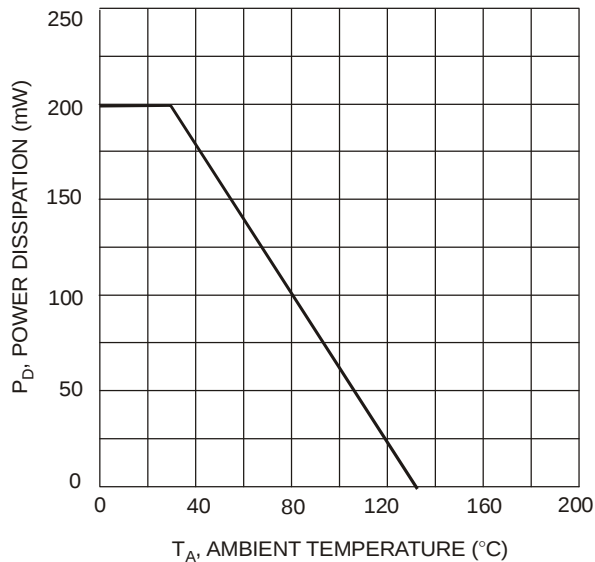


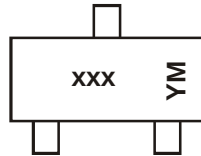
Fig. 5 Power Derating Curve, Total Package

## Ordering Information (Notes 5 & 6)

| Device         | Packaging | Shipping         |
|----------------|-----------|------------------|
| SDMG0340L-7-F  | SOT-323   | 3000/Tape & Reel |
| SDMG0340LA-7-F | SOT-323   | 3000/Tape & Reel |
| SDMG0340LC-7-F | SOT-323   | 3000/Tape & Reel |
| SDMG0340LS-7-F | SOT-323   | 3000/Tape & Reel |

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

## Marking Information



xxx = Product Type Marking Code

KSM = SDMG0340L

KSQ = SDMG0340LA

KSP = SDMG0340LC

KSN = SDMG0340LS

YM = Date Code Marking

Y = Year (ex: N = 2002)

M = Month (ex: 9 = September)

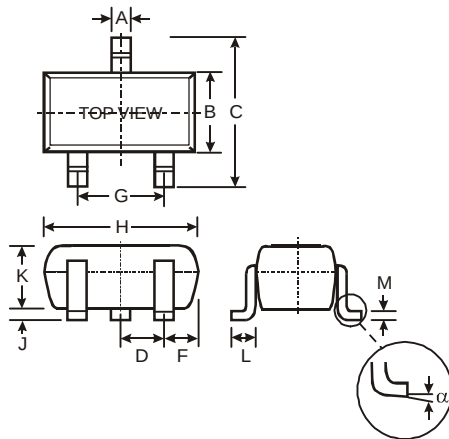
### Date Code Key

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

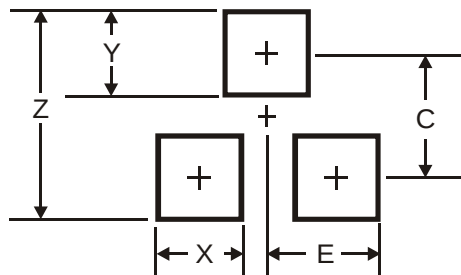
| Month | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Code  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | O   | N   | D   |

## Package Outline Dimensions



| SOT-323              |      |      |       |
|----------------------|------|------|-------|
| Dim                  | Min  | Max  | Typ   |
| A                    | 0.25 | 0.40 | 0.30  |
| B                    | 1.15 | 1.35 | 1.30  |
| C                    | 2.00 | 2.20 | 2.10  |
| D                    | -    | -    | 0.65  |
| F                    | 0.30 | 0.40 | 0.425 |
| G                    | 1.20 | 1.40 | 1.30  |
| H                    | 1.80 | 2.20 | 2.15  |
| J                    | 0.0  | 0.10 | 0.05  |
| K                    | 0.90 | 1.00 | 1.00  |
| L                    | 0.25 | 0.40 | 0.30  |
| M                    | 0.10 | 0.18 | 0.11  |
| $\alpha$             | 0°   | 8°   | -     |
| All Dimensions in mm |      |      |       |

## Suggested Pad Layout



| Dimensions | Value (in mm) |
|------------|---------------|
| Z          | 2.8           |
| X          | 0.7           |
| Y          | 0.9           |
| C          | 1.9           |
| E          | 1.0           |

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