



PRODUCT BULLETIN # 20233

Generic Copy

Issue Date: 13-Sep-2013

TITLE: Change SOD123-FL Package Maximum Height

PROPOSED FIRST SHIP DATE: 13-Sep-2013

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly BE Equipment

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Jason Choy <ffyvww@onsemi.com> for Zener devices or Raja Roziah Raja Rahmat <Raja.Roziah.Rahmat@onsemi.com> for Schottky/Ultrafast devices.

NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

ON Semiconductor is notifying customers of its plan to change the maximum height of SOD-123FL package from 1mm to 0.98mm at SBN, Malaysia manufacturing site.

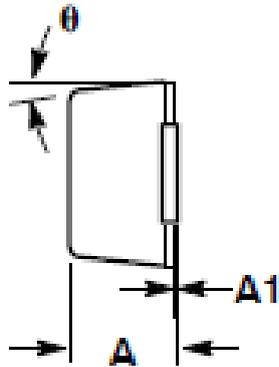
The mold compound, die attach, and lead frame materials used in the SOD-123FL package will remain the same. Qualification was done and CPK calculated to be passing for the new package height limit.



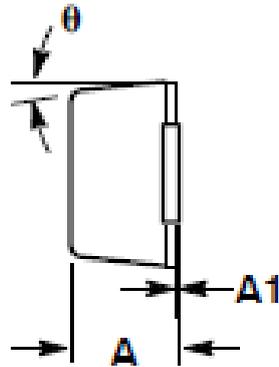
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Comparison for Old and New Case Outline

Old



New



| DIM | MILLIMETERS | | |
|-----|-------------|------|------|
| | MIN | NOM | MAX |
| A | 0.90 | 0.95 | 1.00 |

| DIM | MILLIMETERS | | |
|-----|-------------|------|------|
| | MIN | NOM | MAX |
| A | 0.90 | 0.95 | 0.98 |

| DIM | MILLIMETERS | | | INCHES | | |
|-------|-------------|------|------|--------|-------|-------|
| | MIN | NOM | MAX | MIN | NOM | MAX |
| A | 0.90 | 0.95 | 1.00 | 0.035 | 0.037 | 0.039 |
| A1 | 0.00 | 0.05 | 0.10 | 0.000 | 0.002 | 0.004 |
| b | 0.70 | 0.90 | 1.10 | 0.028 | 0.035 | 0.043 |
| c | 0.10 | 0.15 | 0.20 | 0.004 | 0.006 | 0.008 |
| D | 1.50 | 1.65 | 1.80 | 0.059 | 0.065 | 0.071 |
| E | 2.50 | 2.70 | 2.90 | 0.098 | 0.106 | 0.114 |
| L | 0.55 | 0.75 | 0.95 | 0.022 | 0.030 | 0.037 |
| HE | 3.40 | 3.60 | 3.80 | 0.134 | 0.142 | 0.150 |
| theta | 0° | - | 8° | 0° | - | 8° |

| DIM | MILLIMETERS | | | INCHES | | |
|-------|-------------|------|------|--------|-------|-------|
| | MIN | NOM | MAX | MIN | NOM | MAX |
| A | 0.90 | 0.95 | 0.98 | 0.035 | 0.037 | 0.039 |
| A1 | 0.00 | 0.05 | 0.10 | 0.000 | 0.002 | 0.004 |
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| c | 0.10 | 0.15 | 0.20 | 0.004 | 0.006 | 0.008 |
| D | 1.50 | 1.65 | 1.80 | 0.059 | 0.065 | 0.071 |
| E | 2.50 | 2.70 | 2.90 | 0.098 | 0.106 | 0.114 |
| L | 0.55 | 0.75 | 0.95 | 0.022 | 0.030 | 0.037 |
| HE | 3.40 | 3.60 | 3.80 | 0.134 | 0.142 | 0.150 |
| theta | 0° | - | 8° | 0° | - | 8° |

**PRODUCT BULLETIN #20233****List of affected General Parts:**

| | | |
|---------------|----------------|--------------|
| 1SMF16BT3G | NRVB120ESFT3G | SMF33AT1G |
| 1SMF5920BT1G | NRVB140SFT1G | SMF36AT1G |
| MBR120ESFT1G | NRVB1H100SFT3G | SMF48AT1G |
| MBR120LSFT1G | NRVB2H100SFT3G | SMF5.0AT1G |
| MBR120LSFT1H | SMF10AT1G | SMF58AT1G |
| MBR120LSFT3G | SMF11AT1G | SMF6.0AT1G |
| MBR120VLSFT1G | SMF12AT1G | SMF6.5AT1G |
| MBR120VLSFT3G | SMF13AT1G | SMF7.0AT1G |
| MBR130LSFT1G | SMF14AT1G | SMF7.5AT1G |
| MBR130LSFT1H | SMF15AT1G | SMF8.0AT1G |
| MBR140SFT1G | SMF18AT1G | SMF9.0AT1G |
| MBR140SFT1H | SMF20AT1G | SZSMF14AT1G |
| MBR140SFT3G | SMF22AT1G | SZSMF20AT1G |
| MBR1H100SFT3G | SMF24AT1G | SZSMF24AT1G |
| MBR230LSFT1G | SMF26AT1G | SZSMF33AT1G |
| MBR2H100SFT3G | SMF28AT1G | SZSMF6.0AT1G |
| NRVB120ESFT1G | SMF30AT1G | |