



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.

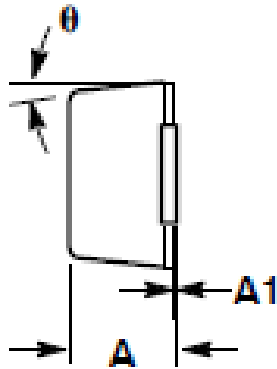
The mold compound, die attach, and lead frame materials used in the SOD-123FL package will remain the same. Qualification was done and CPK calculated to be passing for the new package height limit.



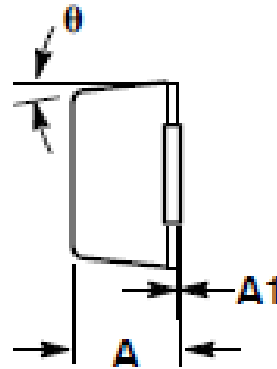
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Comparison for Old and New Case Outline

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
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°



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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	