



UPDATE NOTIFICATION
Generic Copy

30-JUL-2002

SUBJECT: ON Semiconductor Update Notification #12497

TITLE: Update Notification for PCN# 11734

EFFECTIVE DATE: 30-Aug-2002

AFFECTED CHANGE CATEGORY:

- **Subcontractor Assembly Site**
- **On Semiconductor Assembly Site**

AFFECTED PRODUCT DIVISION: Bipolar Discretes Products Div

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Terry Franks, <Rdmm60@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office or Barbara Matteson <RM2230@onsemi.com>

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Jose Ramirez <RVEG40@onsemi.com>

DISCLAIMER:

Initial Product/Process Change Notification (IPCEN) -First Notification distributed to customers. Distributed at least 120 days from the effective date of the change.

Final Product/Process Change Notification (FPCEN) -Final Notification completing the notification process. Distributed at least 60 days from the effective date of the change. ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

ON Semiconductor had previously issued the below Process Change Notification (PCN):

PCN#	Title	Issue Date
11734	Qual of Assembly/Test Site for TO-220 Products	05Sep2001

This Update Notice identifies a handful of device types that were inadvertently left off of the earlier notification.



Update Notification #12497

**RELIABILITY DATA SUMMARY:
Reliability Test Vehicles: MJF18008**

Test	Interval	Lot # 1	Lot # 2
HTRB	168 hrs	0/77	0/77
H3TRB	168 hrs	0/77	0/77
Autoclave	96 hrs	0/77	0/77
IOL	4286 cyc	0/77	0/77
Temp Cycle	500 cyc	0/77	0/77

ELECTRICAL CHARACTERISTIC SUMMARY:

Group	Test	IEBO	ICEO	ICES	HFE	HFE	HFE	VBE	VCE
								(sat)	(sat)
Cond1	Cond1				Ic=1A	Ic=4.5A	Ic=10mA	Ic=4.5A	Ic=4.5A
	Cond2	Vbe=9V	Vce=450V	Vce=1000V	Vce=5V	Vce=1V	Vce=5V	Ib=0.9A	Ib=0.9A
	Limit=<100uA	<100uA	<100uA		14-34	> 6	> 10	<1.25V	<0.7V
Lot#1	Mean	89nA	298nA	595nA	24.2	10.1	22.3	0.919	0.303
	StDev	8nA	192nA	40nA	0.6	0.4	0.6	0.0015	0.017
	Cpk	4163	173.1	828.4	5.7	3.4	6.8	73.6	7.8
Lot#2	Mean	90nA	1391nA	884nA	23.4	9.6	22.1	0.918	0.317
	StDev	5nA	1923nA	412nA	0.7	0.4	0.7	0.0013	0.015
	Cpk	6661	17.1	80.2	5.0	3.0	5.8	85.1	8.5
Lot#3	Mean	93nA	5981nA	1752nA	23.1	9.3	22.0	0.918	0.327
	StDev	5nA	913nA	198nA	0.4	0.19	0.3	0.0012	0.009
	Cpk	6661	34.3	165.4	9.1	5.8	13.3	92.2	13.8
Control	Mean	97nA	261nA	646nA	25.1	9.4	23.5	0.914	0.355
	StDev	38nA	76nA	213nA	1.6	0.5	2.4	0.002	0.014
	CPK	876	438	156	2.3	2.3	1.9	56	8.2

CHANGED PART IDENTIFICATION:

Customers may receive Bipolar Power Transistors and Rectifier Products starting with date code 0235.

ADDITIONAL INFORMATION:

Contact(s) at ON Semiconductor:

	Americas	Europe
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Country	USA	France

AFFECTED DEVICE LIST:

PART

- MJB42C
- MJB42CT4
- MJB44H11
- MJB44H11T4
- MJB45H11
- MJB45H11T4