

ON Semiconductor



Subject: ON Semiconductor PRODUCT/PROCESS CHANGE NOTIFICATION 10190

TITLE: TRIAC TO-220 ASSEMBLY CONVERSION PROCESS

EFFECTIVE DATE: 01-OCT-00

AFFECTED CHANGE CATEGORIES
Assembly Process

AFFECTED PRODUCT DIVISIONS
BIPOLAR DISCRETES PRODUCTS DIV

ADDITIONAL RELIABILITY DATA: Available
Contact your local ON Semiconductor Sales Office.

Ref: R10303

SAMPLES: Contact Below
Contact your local ON Semiconductor Sales Office.

Ref: S21472

For any questions concerning this notification:
REFERENCE: ALLEN TURRY PHONE: 602-244-5419

DISCLAIMER:

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.
GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

Semiconductor Technology Grp

PRODUCT/PROCESS CHANGE NOTIFICATION

ISSUE DATE: 23-Jun-2000

NOTIFICATION #:10190

EFFECTIVE DATE: 01-Oct-2000

ISSUING DIVISION:ON SEMICONDUCTOR

DESCRIPTION AND PURPOSE

Conversion of Triac TO-220 to a more automated process. The internal clip and leadframe are converted to an updated design. For a period of time, customers may receive product from both the old and the new assembly process.

QUALIFICATION PLAN

See Rel Data

RELIABILITY DATA SUMMARY

Performed on Devices: MAC15A8,MAC210A8 and MAC228A8 Triacs.

Product Lines: TL981A, TL986A, TL977A

For MAC228A8 results are:

HTRB, 120 hrs, TA=85C,VR=480V 0/150

H3TRB, 120 hrs, TA=85C, VR=100v, 85%RH 0/150

PTH, 96 hrs, TA=121C, PSI=14.7, RH=100% 0/150

TC, 100Cyc, 15 MIN.DWELL; -65C TO +150C 0/150

ELECTRICAL CHARACTERISTIC SUMMARY

Electrical TO-220 comparison data (old vs new) available on request.

There is no significant change in electrical characteristics.

CHANGED PART IDENTIFICATION

Customers may start receiving product with the new process beginning with date code 0037.

FILE FORMAT: ASCII TEXT

FONT - Courier

SIZE - 12 Point

LINE - 70 characters/line

PAGE - 55 lines/page

PAGEBREAK CHARACTER - ^L (Control L)

AFFECTED DEVICE LIST (WITHOUT SPECIALS)

2N6344	,	2N6344A	,	2N6348A	,	MAC15A6
MAC15A8	,	MAC210A8	,	MAC212A8	,	MAC218A8
MAC228A4	,	MAC228A6	,	MAC228A8	,	T2500D
T2800D						