TRIACs

February 2005

TOSHIBA CORPORATION

Semiconductor Company

Discrete Semiconductor Division

New TRIAC Line up

Main Characteristic				Sample	Mass-Pro	Packege	Schedule
IT(RMS)				Schedule	Schedule		Product
· · (· · · · ·)	VDRM	ITSM(A)	IGT (mA)			Name	Name
2A	400V	12	10	ok	ok	TO-126	SM2G54
	800V	12	10	OK .	OK	10-120	SM2L54
8A	400V	80	30	ok	ok	TO-220	SM8GZ52
OA .	800V	00	30	ÜK	ÜK	SIS	SM8LZ52
10A	400V	100	30	ok	ok	TO-220	SM10GZ52
IUA	800V	100	30	ÜK	ÜK	SIS	SM10LZ52
12A	400V	120	30	ok	ok	TO-220	SM12GZ52
	800V					SIS	SM12LZ52
16A	400V	160	30	Note1	Note1	TO-220	SM16GZ52
104	800V	100	30	ו אטנט ו	INOLET	SIS	SM16LZ52

The maximum junction temperature of 150 degrees C is planned.

Note1: Please contact Tosdhiba

New Package: TO220SIS(Smart ISolation)

<Feature>

1) Lower Profile Package

To modified Stand off shape, 2.8 mm lower than currentTO-220NIS

2) Bonding Wire-less Assembly

Curtailment of the open fault by serge current

3) Lead free outer lead

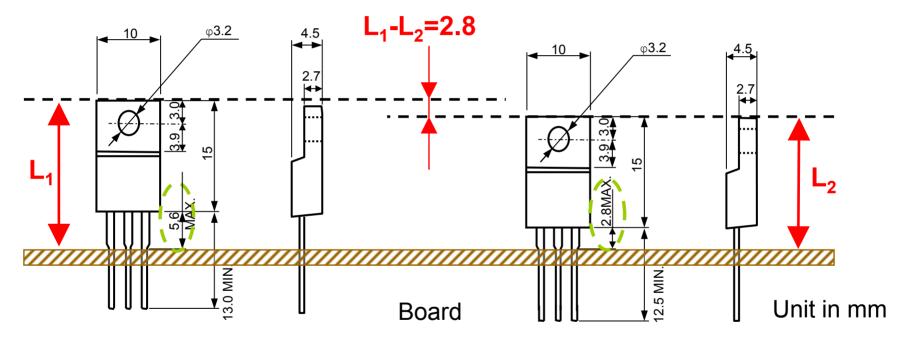
100% lead free solder using for outer lead finish

Mount Height: TO220NIS vs TO220SIS

<u>Current Package:</u> <u>New Package:</u>

TO-220NIS

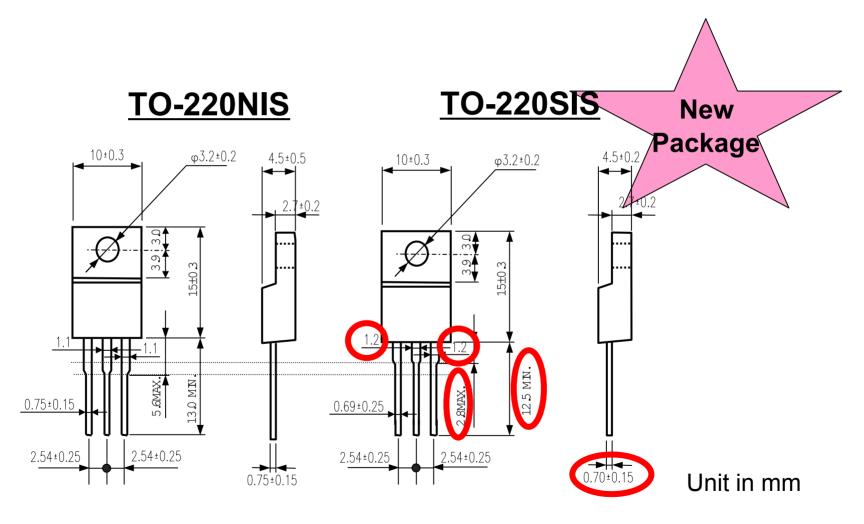
TO-220SIS



Lower Profile Package

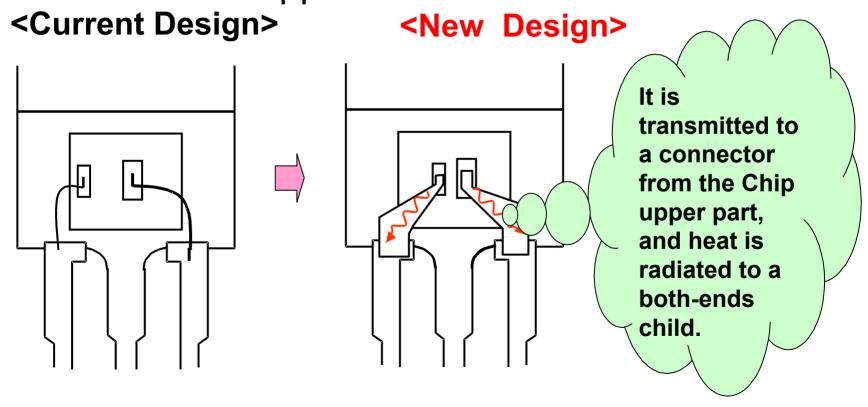
To modified Stand off shape, 2.8 mm lower than current TO-220NIS

Dimension: TO220NIS vs TO220SIS



TO-220SIS Series: Introduction of new technology

The heat dissipation efficiency rise by the formation of T1 terminal copper connector.



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