



Electronic Component & Module Engineering
Active Component Engineering

Reliability Test Report

Product: TRAIC of Thyristor

Manufacturer: Doeshare Semiconductor
Technology

Manufacturer P/N: DT12T35I-800H

Report No: AE190808001



	APPROVED	CHECKED	PREPARED
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DATE	2019-09-06	2019-09-06	2019-09-06

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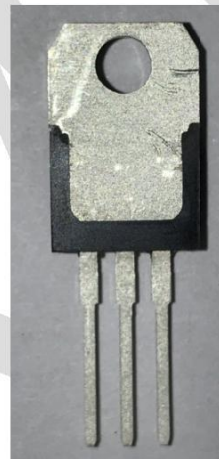
1. Sample Description

Manufacturer	Doeshare Semiconductor Technology
Manufacturer PN	DT12T35I-800H
Package	ITO-220
Data code	D9A13
Lot code	OE89T04
Sample Size	154pcs

2. Sample Appearance



Top view of the sample



Bottom view of the sample

ITO-220 PACKAGE MARKING DESCRIPTION

NOTE	Description	Meaning
D	Manufacturer	Doeshare
T	Product	TRIAC
12	IT Amp, Unit A	12A
T	If TRIAC -> T= 3Q, F=4Q.	TRIAC -> T= 3Q
35	If TRIAC=>IGT	IGT ≤ 35mA
I	Package	Insulation TO-220
800	Peak repetitive off-state voltage	800V
H	operation temperature	H= 150°C

3. Test Purpose

The reliability test is to evaluate the reliability of **DT12T35I-800H**

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4. Summary of Test Result

Test Item	Test Condition	Test Tool	Sample Size(pcs)	Check Point	Fail Size(pcs)	Test Result
H3TRB	85°C, 85%RH V(T2toT1)=100V.	High Humidity High Temperature Reverse Bias	77	168Hrs	0/77	Pass
				500Hrs	0/77	Pass
HTRB-F	Tj=150°C, V(T2toT1)=640V	High Temperature Reverse Bias Test	38	168Hrs	0/38	Pass
				500Hrs	0/38	Pass
HTRB-R	Tj=150°C, V(T1toT2)= 640V	High Temperature Reverse Bias Test	39	168Hrs	0/39	Pass
				500Hrs	0/39	Pass