



Electronic Component & Module Engineering
Active Component Engineering

Reliability Test Report

Product: TRAIC of Thyristor

Manufacturer: Doeshare Semiconductor
Technology

Manufacturer P/N: DT16T35E-800H

Report No: AE190808001



	APPROVED	CHECKED	PREPARED
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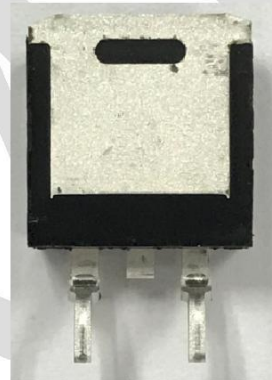
1. Sample Description

Manufacturer	Doeshare Semiconductor Technology
Manufacturer PN	DT16T35E-800H
Package	D2pak
Data code	D9C16
Lot code	904C33010
Sample Size	154pcs

2. Sample Appearance



Top view of the sample



Bottom view of the sample

D2pak PACKAGE MARKING DESCRIPTION

NOTE	Description	Meaning
D	Manufacturer	Doeshare
T	Product	TRIAC
16	IT Amp, Unit A	16A
T	If TRIAC -> T= 3Q, F=4Q.	TRIAC -> T= 3Q
35	If TRIAC=>IGT	IGT ≤ 35mA
E	Package	D2pak
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 **DT16T35E-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