



Electronic Component & Module Engineering
Active Component Engineering

Reliability Test Report

Product: TRAIC of Thyristor

**Manufacturer: Doeshare Semiconductor
Technology**

Manufacturer P/N: DT4T10F-1000H

Report No: AE190808001



	APPROVED	CHECKED	PREPARED
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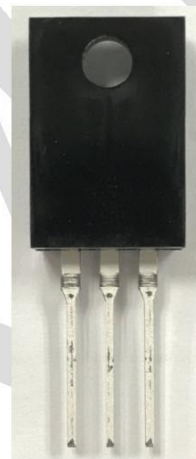
1. Sample Description

Manufacturer	Doeshare Semiconductor Technology
Manufacturer PN	DT4T10F-1000H
Package	TO-220F
Data code	D9C21
Lot code	905C92010
Sample Size	154pcs

2. Sample Appearance



Top view of the sample



Bottom view of the sample

TO-220F PACKAGE MARKING DESCRIPTION

NOTE	Description	Meaning
D	Manufacturer	Doeshare
T	Product	TRIAC
4	IT Amp, Unit A	4A
T	If TRIAC -> T= 3Q, F=4Q.	TRIAC -> T= 3Q
10	If TRIAC=>IGT	IGT ≤ 10mA
F	Package	TO-220F
1000	Peak repetitive off-state voltage	1000V
H	operation temperature	H= 150°C

3. Test Purpose

The reliability test is to evaluate the reliability of **DT4T140F-1000H**

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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