

**TESTING / INSPECTION REPORT**

REPORT NO : ST-130102-1

COMPANY : AAEON Technology Inc.

ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.  
Hsin-Tien City, Taipei, Taiwan, R. O. C.

TEL : 886-2-8919-1234

FAX : 886-2-8919-1049

SPECIMEN : DSS-CV21

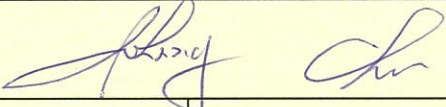



DATE OF RECEIVED : 2013/01/02

DATE OF TESTED : 2013/01/02

TEST / INSPECTION ITEMS : Shock Test

REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 11 pages, and no part of it may be abstracted or reproduced.

Test Engineer :		
Approval Signatory :	Laboratory Head :	
2013.1.3		



**KING DESIGN INDUSTRIAL CO., LTD.**
**RELIABILITY TEST LABORATORY**

5F, NO. 3, Lane 270, Pei Shen Road Sec. 3,

<http://www.kdi.tw>

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

<http://www.vibration.com.tw>

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

 E-mail: [service@kdi.tw](mailto:service@kdi.tw)

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,  
S/N : GUG02102091
2. Controller : DACTRON LASER USB, S/N:12448370
3. Control Accelerometer : Wilcoxon Research WR-777, S/N:4207

### TEST ENVIRONMENT :

- Temperature : 22.5°C (25±10°C)
- Relative Humidity : 54%RH (50±25% RH)

### SPECIMEN :

- Model : DSS-CV21
- Quantity : 1 unit

### TEST SPECIFICATION :

#### *As per applicant's requirement*

- Wave Form : Half Sine wave (Operating)
- Acceleration : 15 g
- Duration Time : 11 mS
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

### TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment <sup>(1)</sup>	√	---	---
Appearance check <sup>(2)</sup>	√	---	---
(1)—Booting function was normal after the test.			
(2)—No visible damages were found.			

賴科

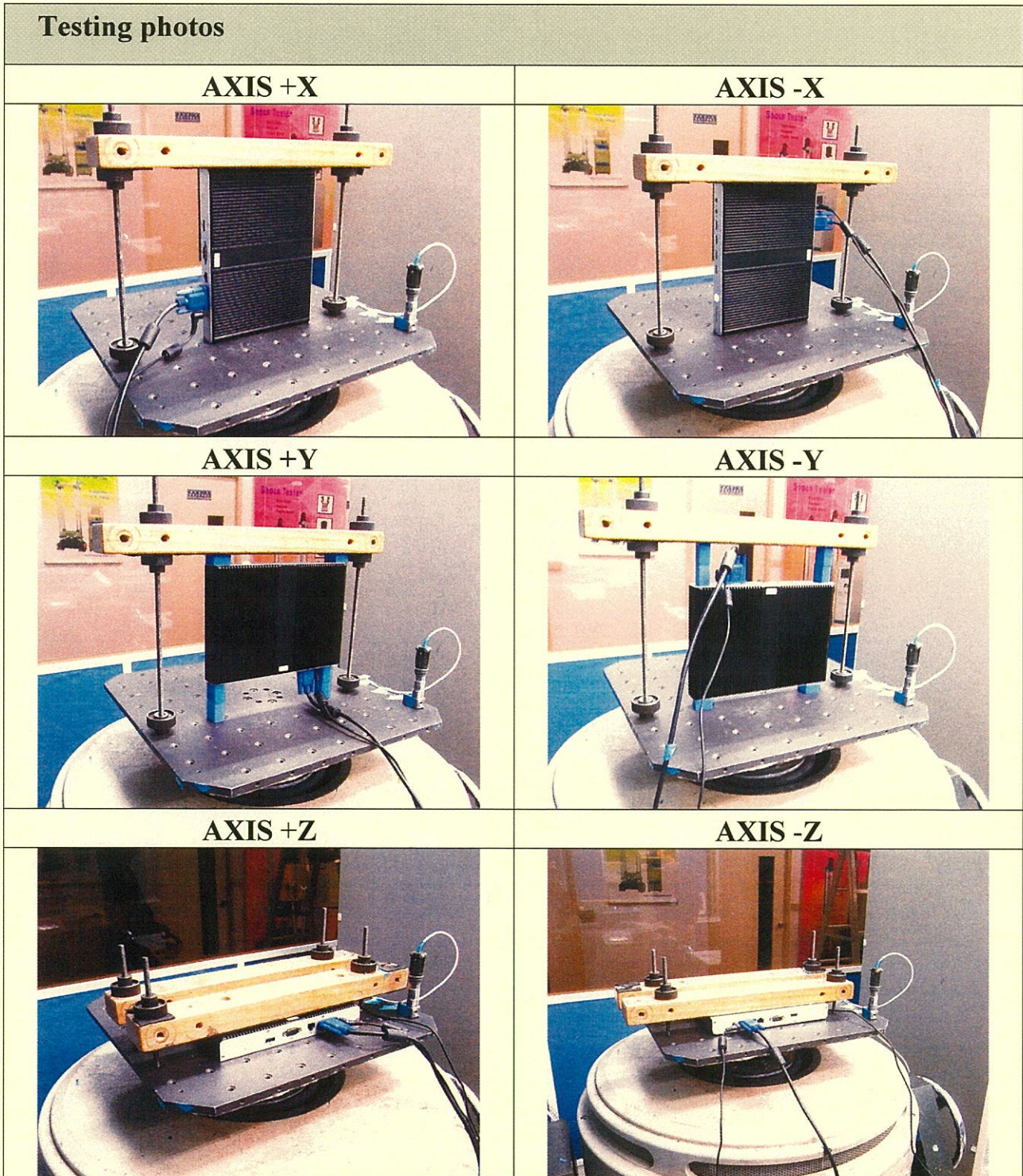
## TESTING / INSPECTION REPORT

### Testing photos

#### Before test



**TESTING / INSPECTION REPORT**



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## TESTING / INSPECTION REPORT

### Testing photos

#### After test



Axis X

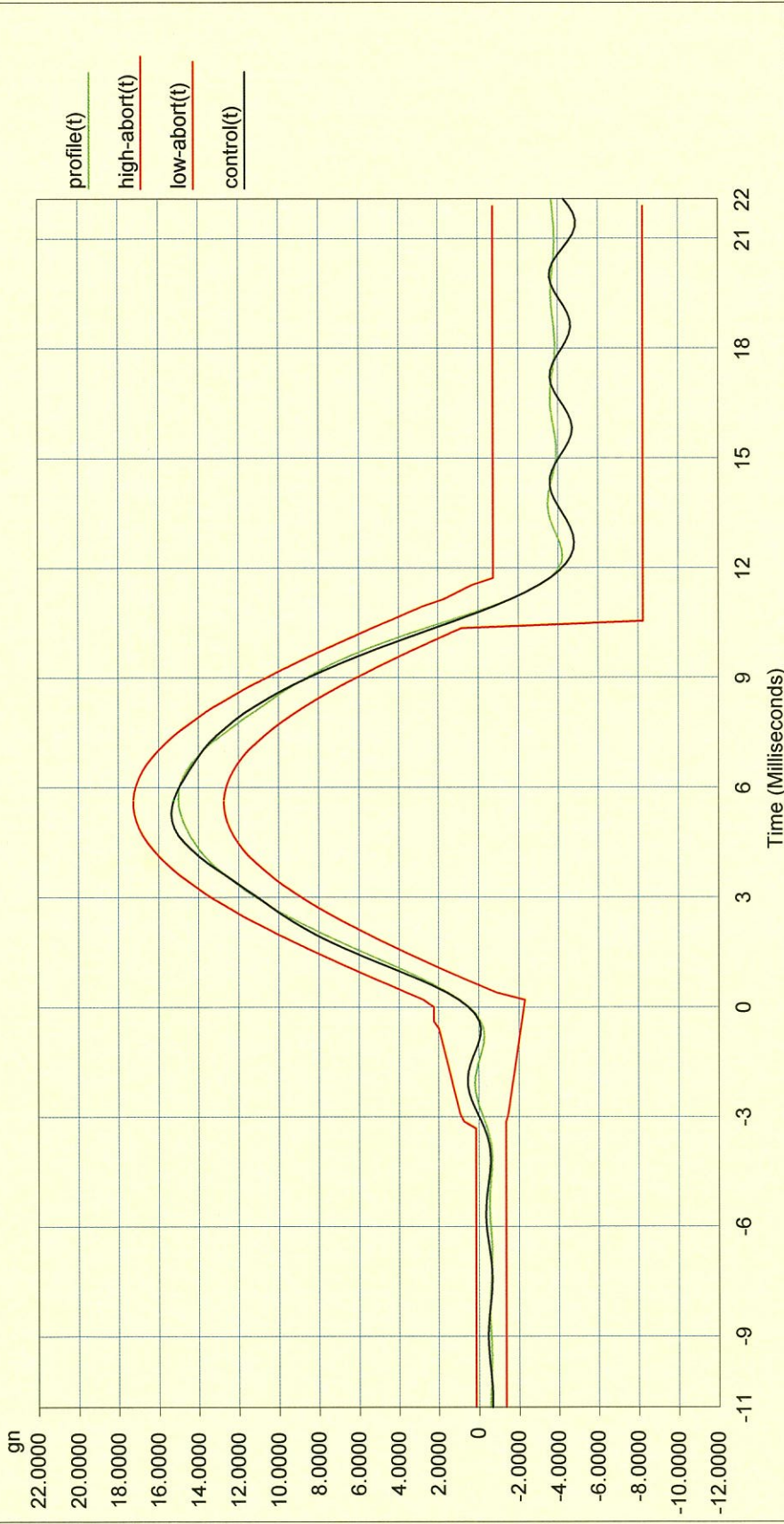
Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Jan 02, 2013 11-22-21



Level: 100 %    Block Size: 2048    Elapsed Pulses: 12

Frame Time: 0.400000 Seconds    Control Peak: 15.354311    Control RMS: 2.227278    Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds    Demand Peak: 14.999999    Demand RMS: 2.158478    Remaining Pulses: 0

Pulse Type: Half Sine    Amplitude: 14.999999    Pulse Width: 11.000000 ms

Data saved at 11:22:41 AM, Wednesday, January 02, 2013    Report created at 11:22:43 AM, Wednesday, January 2, 2013



Axis -X

Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Jan 02, 2013 11-24-22



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 15.371531 Control RMS: 2.227282 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.158478 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms  
 Data saved at 11:24:42 AM, Wednesday, January 02, 2013 Report created at 11:24:45 AM, Wednesday, January 2, 2013

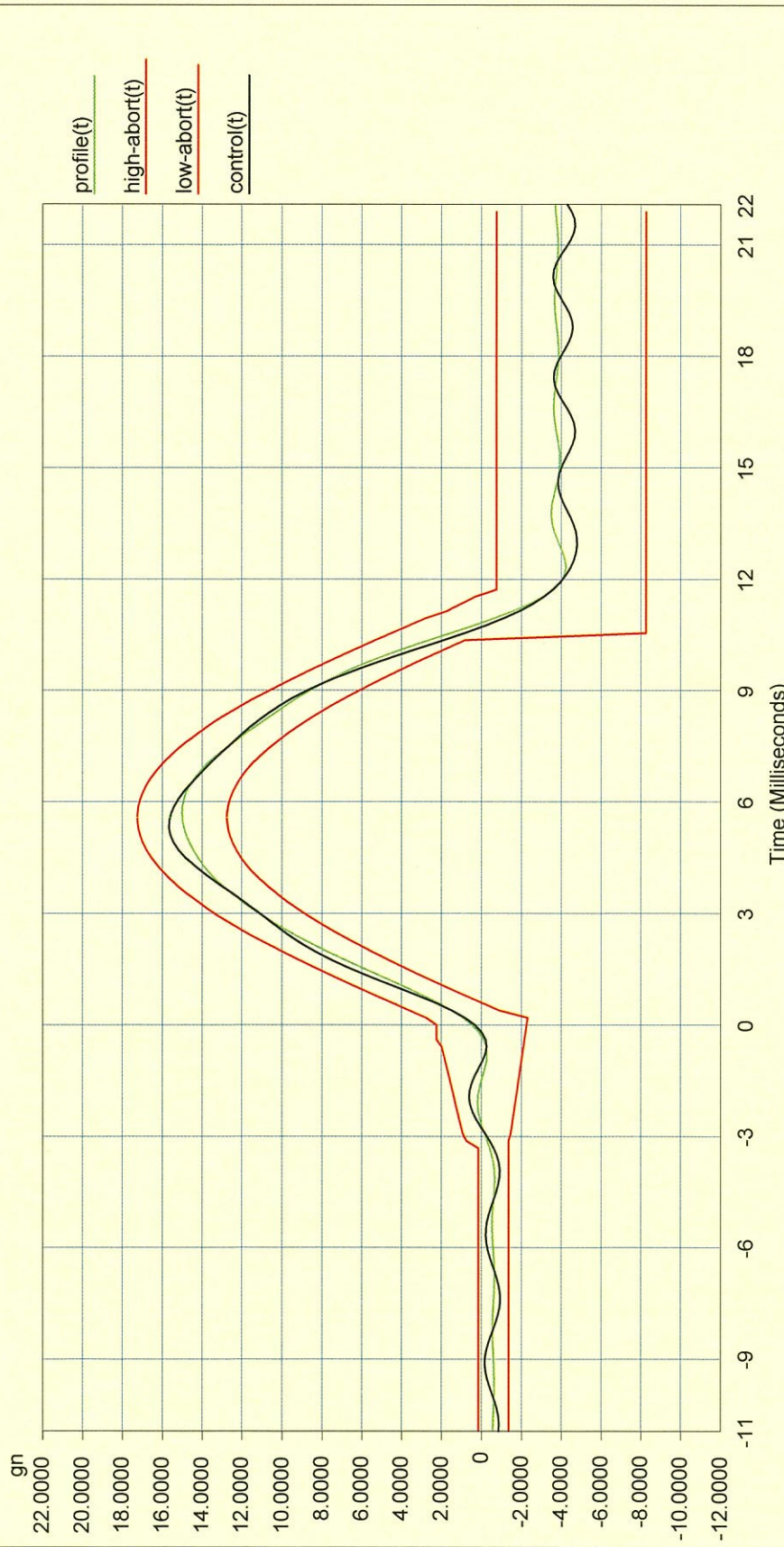




Axis Y

Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Jan 02, 2013 11-27-00



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 15.668855 Control RMS: 2.236495 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.158478 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:27:19 AM, Wednesday, January 02, 2013 Report created at 11:27:24 AM, Wednesday, January 2, 2013







Axis -Y

Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Jan 02, 2013 11-29-15



Level: 100 %    Block Size: 2048    Elapsed Pulses: 12  
Frame Time: 0.400000 Seconds    Control Peak: 15.462570    Control RMS: 2.228593    Full Level Elapsed Pulses: 3  
dT: 0.000195 Seconds    Demand Peak: 14.999999    Demand RMS: 2.158478    Remaining Pulses: 0  
Pulse Type: Half Sine    Amplitude: 14.999999    Pulse Width: 11.000000 ms  
Data saved at 11:29:35 AM, Wednesday, January 02, 2013    Report created at 11:29:37 AM, Wednesday, January 2, 2013



Axis Z

Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Jan 02, 2013 11-16-28



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 15.572347 Control RMS: 2.234375 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.158478 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:16:48 AM, Wednesday, January 02, 2013 Report created at 11:17:02 AM, Wednesday, January 2, 2013



Axis -Z

Project File Name: 15g 11mS.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 02, 2013 11-19-38



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 15.382295 Control RMS: 2.230095 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.158478 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms  
 Data saved at 11:19:57 AM, Wednesday, January 02, 2013 Report created at 11:20:03 AM, Wednesday, January 2, 2013

**-END-**





Certificate No. : L0424-110728

財團法人全國認證基金會  
Taiwan Accreditation Foundation

## Certificate of Accreditation

This is to certify that

**King Design Industrial Co., Ltd.**

**Vibration Laboratory**

4F., No.3, Ln. 270, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City 22206, Taiwan  
(R.O.C.)

**is accredited in respect of laboratory**

**Accreditation Criteria** : ISO/IEC 17025:2005  
**Accreditation Number** : 0424  
**Originally Accredited** : May 01, 1998  
**Effective Period** : July 28, 2011 to July 27, 2014  
**Accredited Scope** : Testing Field, see described in the Appendix

Jay-San Chen  
President, Taiwan Accreditation Foundation  
Date : July 28, 2011

P1, total 4 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



Certificate No. : L0424-110728

**財團法人全國認證基金會**  
**Taiwan Accreditation Foundation**

Accreditation Number : 0424

Laboratory Head : CHANG, Hsin Tai

■ 16.99 Machine and Equipment

Vibration Tester

A002 Vibration

CNS 3629

CNS 5424

Frequency:5 Hz to 3000 Hz

Acceleration:(0 to 100) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

■ 16.99 Machine and Equipment

Shock Test Equipment

A002 Vibration

IEST-RP-DTE 012.1

Shock Acceleration

Max. G:250 Gpk

Time Duration:0.1 ms to 50 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

■ 19.01 Electronic and Electric

Electrical Machine & Equipment

Electronic Device

A002 Vibration

CNS 5424

CNS 3629

IEC 60068-2-35 : 1973

Frequency:5 Hz to 2000 Hz

Acceleration:(0 to 50) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

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Certificate No. : L0424-110728

財團法人全國認證基金會  
Taiwan Accreditation Foundation

■ 19.01 Electronic and Electric  
Electrical Machine & Equipment  
Electronic Device  
A002 Vibration  
IEC 60068-2-27  
Acceleration:5 Gpk to 200 Gpk  
Time Duration:2 ms to 16 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

■ 19.99 Electronic and Electric  
Electric & Electronic Products  
E003 Environmental Reliability  
IEC 60068-2-1  
Temperature Range:  $\cong -25$  °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

■ 19.99 Electronic and Electric  
Electric & Electronic Products  
E003 Environmental Reliability  
IEC 60068-2-2  
Temperature Range:  $\cong 100$  °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

■ 19.99 Electronic and Electric  
Electric & Electronic Products  
E003 Environmental Reliability  
IEC 60068-2-30  
Temperature Range:-40 °C to 120 °C  
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min

Approval Signatory: LEE, David;CHANG, Hsin Tai

E003 Environmental Reliability  
IEC 60068-2-38  
Temperature Range:-40 °C to 120 °C

P3, total 4 pages



Certificate No. : L0424-110728

**財團法人全國認證基金會**  
**Taiwan Accreditation Foundation**

Humidity Range:15 %RH to 95 %RH  
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min

Approval Signatory: LEE, David;CHANG, Hsin Tai

E003 Environmental Reliability  
MIL-STD-810F Method 501.4 · 502.4 · 503.4 · 514.5(Procedure I · III · IV) ·  
516.5(Procedure I · II · III · IV · V · VI · VIII)  
Temperature Range:-40 °C to 120 °C  
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min  
Frequency:3 Hz to 2000 Hz  
Displacement:(0 to 4) mm (peak to peak)  
Acceleration:(0 to 10) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

(Null below)