

AAEON

ISO-9001/ISO-14001 Certified
Industrial Automation PCs

PCM-4335
QE Random Vibration Test Report

Release Date : 01/22/1999

Issue Stamp

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Random Vibration Test

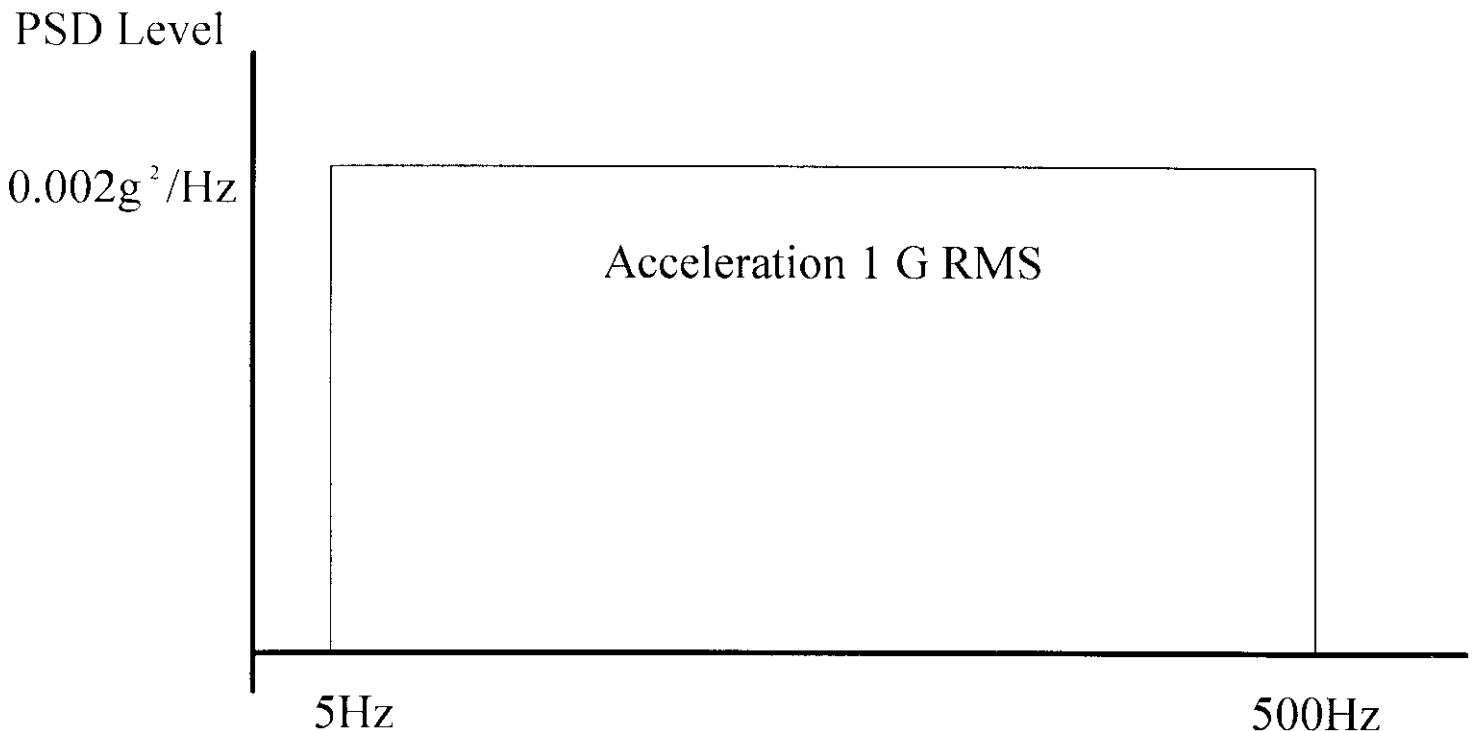
PCM-4335

Test Date : January 21 , 1999
Test Site : Advantech QA Environment Lab
Performed By : Chasel Wang

Test Standard : Reference IEC68-2-36 Testing procedures
Test Fdb : Random vibration wide band
reproducibility medium

Test Condition :

1. Test PSD level: $0.002G^2/Hz$
2. Test Acceleration: 1G rms
3. Test Frequency: 5-500Hz
4. Test Axis: X,Y,Z axis
5. Test Time: 1hr pre axis
6. Test Vibration Curve:



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Test Equipment: Vibration Simulator System
KING DESIGN Co. LTD.
Model: 9363EM-20030-25N80
S / N: MC104053285
Date of Calibration: 04-14-1998

Sample Configuration & Quantity Under Test:

using one PCM-4335 Rev A1.1 All-in-One 486-DX 66
PC/104 Module following options installed :

- 1.Chassis:AMPC-204
- 2.CPU:STPC 66MHZ
- 3.Core Logic:STPC
- 4.S.O. DIMM:NEC D42SV18165LGS 16M
E.D.O RAM
- 5.VGA:CHIPS 69000
- 6.I/O:Winbond W83977F-A
- 7.Power:EP2-4150F
- 8.Test software:QAPlus/fe 5.29

Performance Criteria:

Electronic function check:

- 1.Power on/off check.
- 2.CMOS data setting check.
- 3.The QAPlus/fe test program select normal item to test,
The system must pass these items.

Mechanical function check:

- 1.The connecter,jumps,slot can work properly without any interference.
- 2.All screws are tighten up appropriately.

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Test Result :

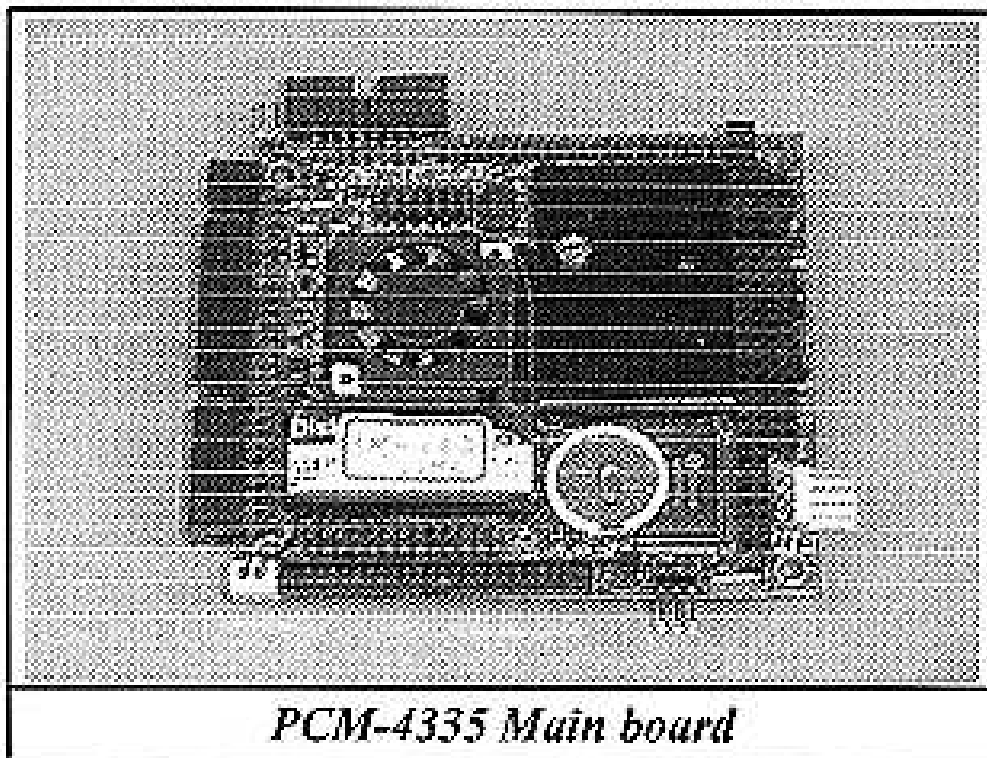
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The PCM-4335 product meets the QA test specification.

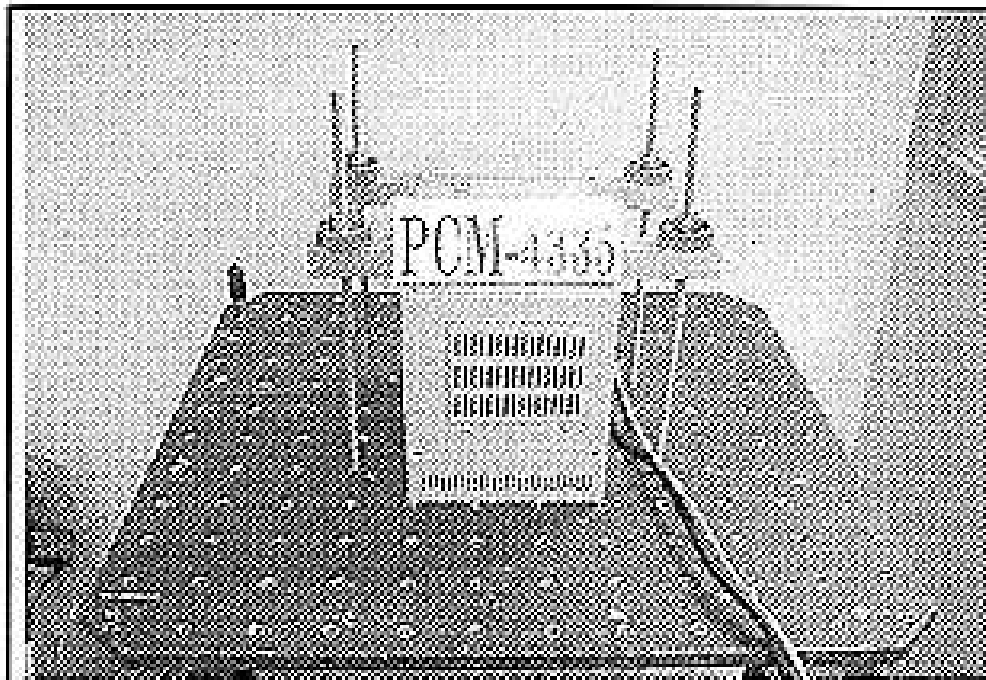
Photograph :



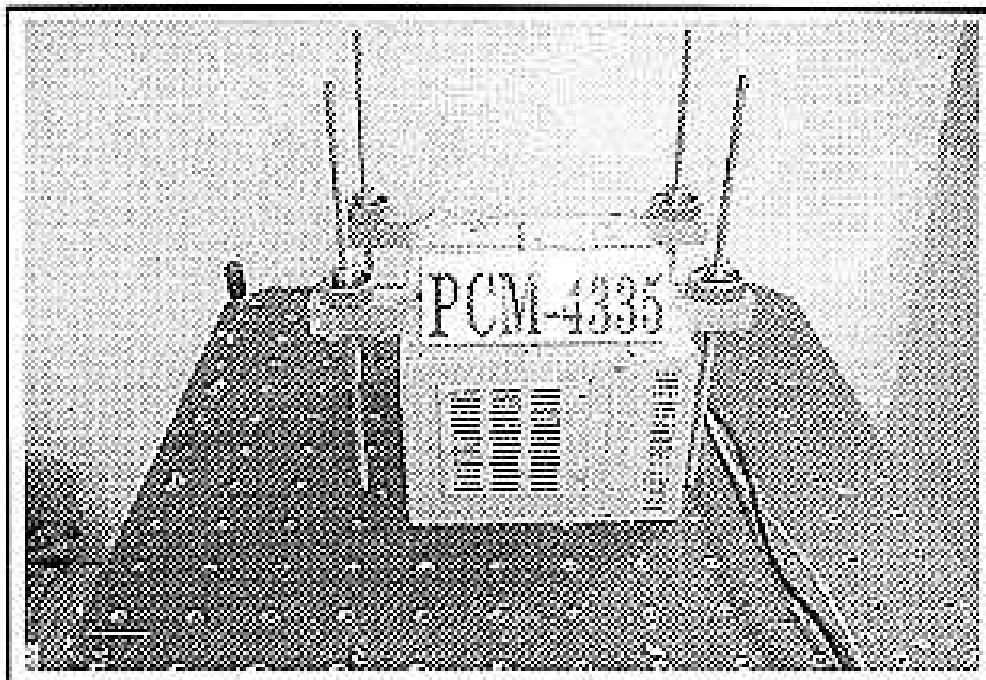
Random Vibration Test

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Photograph:



X-Axis 1G random vibration test

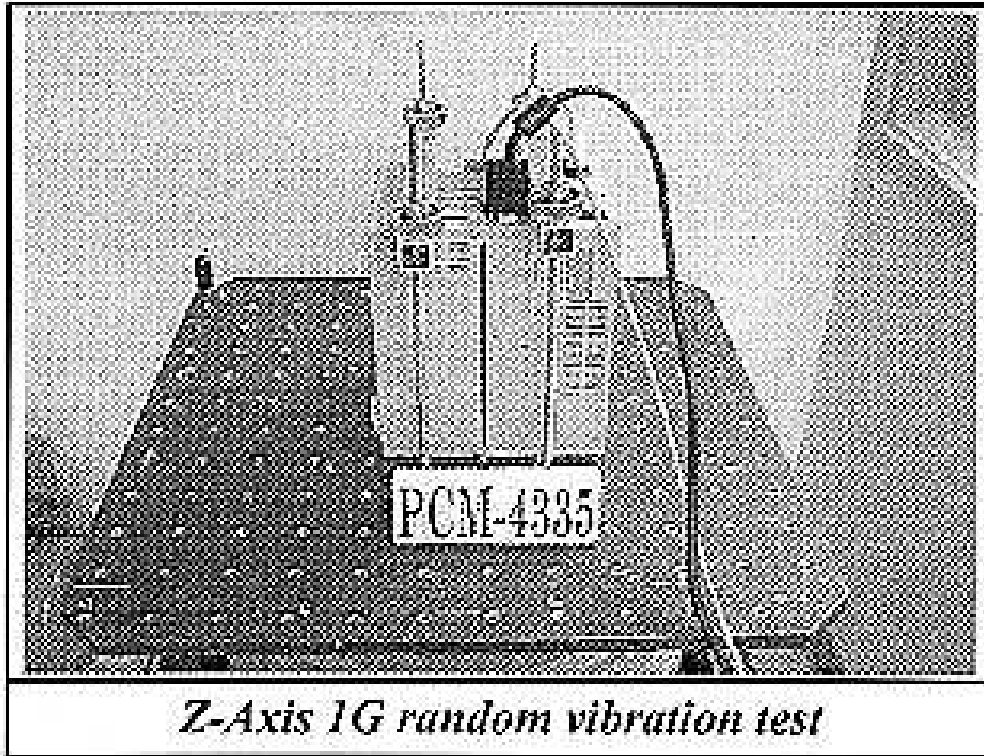


Y-Axis 1G random vibration test

Random Vibration Test

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Photograph:



Z-Axis 1G random vibration test