

CHVM 2 Series

CHVM 3 Series

RELIABILITY DATA

Test results are typical data. Nevertheless the following results are considered to be reference data because all units have nearly the same characteristics.

CHVM2 Series / CHVM3 Series

Item	Test Conditions	The Number of Device Under Test	Criteria	Result
Thermal Shock	Low Temperature : -40℃ High Temperature : +125℃ Interval : 30minutes Cycle : 100	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass
High Temperature Bias	Input Voltage : Typ Output Voltage : Typ Output current : 60% Temperature : +60℃ Time : 1000hours	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass
High Temperature Storage	Temperature : +85℃ Test Time : 1000hours No electricity	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass
Low Temperature Storage	Temperature : -40℃ Test Time : 1000hours No electricity	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass
Solderability	Immerse in a solder bath(Sn-Ag-Cu). Solder Bath Temperature : 245℃±5℃ Time : 3±1 second	CHVM2-12-2000PW 1pcs	Solder adhesion rate is 95% or more. In addition, there must be no pinholes or repelling, and it must be sufficiently wet.	Pass
Resistance to Soldering Heat	Immerse in a solder bath(Sn-Ag-Cu). Solder Bath Temperature : 260℃±5℃ Time : 10 second Soldering with soldering iron. Solder Iron Temperature : 350±10℃ Time : 5 second	CHVM2-12-2000PW 1pcs	After the test, there shall be no abnormalities in the electrical characteristics and the joint between the terminal and the board.	Pass
Terminal tensile strength	Apply 1 kgf load for 10 ± 1 seconds in the axial direction of the pin.	CHVM2-12-2000PW 1pcs	No missing pins, no broken pins.	Pass
Terminal bending	Fix the body and apply a bending load of 0.5kgf to the terminal.	CHVM2-12-2000PW 1pcs	No looseness, missing or broken pins.	Pass
Vibration	Amplitude : 10mm(Const) Sweep Frequency : 5~10Hz Directions : X,Y,Z Time : 1hour Acceleration : 2G Sweep Frequency : 10~55Hz Directions : X,Y,Z Time : 1hour	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass
Shock	Shock Time : 11±5ms Acceleration : 20G Directions : X,Y,Z Number of Times : 3	CHVM2-12-2000PW 5pcs	No abnormality in Electrical characteristics or external appearance, either before or after, the test.	Pass