

EAC/ESC-□□-□□□ Safety test result  
EAM/ESM-□□-□□□  
EAP/ESP-□□-□□□

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 VS DESIGN DEPT.

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No.	Test item	Conditions	Conditions of acceptability	Result
1	Overload test	(1)Overload. 135% of current rating. (2)Ambient temp. $25 \pm 5^{\circ}\text{C}$ (3)Test period rated current $\leq 81\text{A}$ : 1 hour rated current $> 81\text{A}$ : 2 hours	(1)Evidence of ignition , sealant leakage , cracking , breakage , or similar physical damage is not shown. (2)When a test voltage is applied , isolation resistance is not less than $3.5\text{M}\Omega$ . Test voltage rated voltage $\leq 250\text{V}$ : 250 V dc rated voltage $> 250\text{V}$ : 500 V dc	OK
2	Withstand voltage test (High-pot test)	(1) Input Not applied. (2) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (3) The applied voltage is 1.4 times of specifications.	(1)Insulation breakdown , flashover or electric arc is not occurred.	OK
3	Isolation resistance test	(1) Input Not applied. (2) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1)When a regulation voltage is applied, isolation resistance is 1.4 times of specifications.	OK
4	Vibration/impact test	Vibration (1) $f=10 \sim 150\text{Hz}$ : $29.4\text{m/s}^2$ (2)3 minutes period (3)60 minutes along X, Y and Z axis  Impact (1) $294.2\text{m/s}^2$ 11ms (2)Once each X, Y and Z axis	(1)No degradation of electric characteristics after test. (2)No crack at solder joint. (3)No marked damage of appearance.	OK