



PMA15F EMI/EMS Test result

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Design engineering dep.

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No.	Test item	Conditions	Conditions of Acceptability	Result
1	Line conduction	(1) Rated input AC100V,120V,230V (2) Rated load (3) Ambient temp. 25±10°C	(1)Meets the undermentioned standard. FCC Part15 classB , VCCI classB CISPR22 classB , EN55022-B EN55011-B	OK
2	Radiated emission	(1) Rated input AC100V,120V,230V (2) Rated load (3) Ambient temp. 25±10°C	(1)Meets the undermentioned standard. FCC Part15 classB , VCCI classB CISPR22 classB , EN55022-B EN55011-B	OK
3	Harmonic current (EN61000-3-2)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. 25±10°C	(1)Meets the undermentioned standard. EN61000-3-2 classA	OK
4	Static electricity immunity test (EN60601-1-2, based on EN61000-4-2)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. 25±10°C (4) Contact discharge voltage 8[kV] (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK
5	Radiated, radio-frequency, electromagnetic field immunity test (EN60601-1-2, based on EN61000-4-3)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. 25±10°C (4)Testing field strength (Level 2) 3[V/m] (80MHz to 2.5GHz)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK
6	Electrical fast transient/ burst immunity test (EN60601-1-2, based on EN61000-4-4)	(1) Rated input AC100,230V (2) Rated load (3) Ambient temp. 25±10°C (4) Test peak voltage 4[kV] (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK
7	Surge immunity test (EN60601-1-2, based on EN61000-4-5)	(1) Rated input AC100,230V (2) Rated load (3) Ambient temp. 25±10°C (4) Test voltage Line to line 1[kV] (Level 2) Line to earth 4[kV] (Level 4)	(1)The power supply is not stop (2)Circuit does not malfunction. (3)No abnormality of the insulation destruction etc. (4)Parts are no damaged.	OK
8	Immunity to conducted disturbances, induced by radio-frequency fields. (EN60601-1-2, based on EN61000-4-6)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. 25±10°C (4) Voltage level (e.m.f.) 10[V] (Level 3)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK
9	Power frequency magnetic field immunity test (EN60601-1-2, based on EN61000-4-8)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. 25±10°C (4) Magnetic field strength 30[A/m] (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK
10	Voltage dips, short interruptions (EN60601-1-2, based on EN61000-4-11)	(1) Rated input AC100,230V •30% reduction at 500ms min. •60% reduction at 100ms min. •95% reduction at 5s min. (2) Rated load (3) Ambient temp. 25±10°C	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure.	OK