

EMI/EMS Test Result

Model Name : FETA7000T series

The EUT is operated with following condition during EMI/EMS test.

Input Voltage : 230VAC / 50Hz  
 Output Current : Rated Current  
 Ambient Temperature : 25°C ± 10°C

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No.	Subject	Reference standard	Test Condition	Criteria *1	Result
1	EMI	Conducted Emission	EN55032 Class A CISPR 32 Class A FCC Part15 Class A VCCI Class A	-	OK
2		Radiated Emission	EN55032 Class A CISPR 32 Class A FCC Part15 Class A VCCI Class A	-	OK
3		Harmonic Current	IEC61000-3-12 Rated input: 200VAC / 50Hz Load 20%~Rated load	-	OK
4	EMS	Electrostatic discharge immunity test	IEC61000-4-2 Contact Discharge : Level 4 (8kV) Air Discharge : Level 4 (15kV)	A	OK
5		Radiated, radio-frequency, electromagnetic field immunity test	IEC61000-4-3 10V/m : (80MHz~1.0GHz) 3V/m : (1.4 ~ 2.0GHz) 1V/m : (2.0 ~ 2.7GHz) 80% Amplitude modulated	A	OK
6		Electrical fast transient / Burst immunity test	IEC61000-4-4 Level 4 (4kV) Repetition Rate : 5kHz and 100kHz	A	OK
7		Surge immunity test	IEC61000-4-5 Line to Line : Level 4 (2kV) Line to Earth : Level 4 (4kV)	A	OK
8		Immunity to conducted disturbances, induced by radio-frequency fields	IEC61000-4-6 Voltage Level (e.m.f.) : Level 3 (10Vrms)	A	OK
9		Power frequency magnetic field Immunity test	IEC61000-4-8 Magnetic Field Strength : Level 4 (30A/m)	A	OK
10		Voltage dips, short interruptions and voltage variations immunity test	IEC61000-4-11 (1) >95% dip for 20ms (2) 60% dip for 200ms (3) 30% dip for 500ms (4) 95% dip for 5 seconds (short interruption)	B B A B	OK OK

## \*1 Definition of Criteria

Criteria A : (1) No output voltage drop with control circuit failure.  
 (2) No protection circuit and other circuit malfunction.

Criteria B : (1) The output voltage is temporary degradation of performance.  
 It recovers its normal performance without operator intervention.  
 (2) No protection circuit and other circuit failure.

## &lt;Notes&gt;

Power supply can't determine the final equipment performance against EMS test. Therefore we confirmed the output voltage performance only. EMS test should be performed as a final product.