

**PRODUCTION SPECIFICATION
DC REGULATED POWER SUPPLY**

MODEL: HCS-3600-000G	REV : 1.2	DATE: 15-07-2009
DESCRIPTION: 1-16V, 0-60A SWITCHING MODE POWER SUPPLY		
INPUT VOLTAGE: 230Vac	FREQUENCY: 50Hz	
ENVIRONMENT TEMPERATURE: 25C		

	ITEM	MIN.	TYP.	MAX.	UNIT
General Specifications	Operation Voltage Range	170	230	264	Vac
	Input Voltage Frequency Range	45	50	65	Hz
	No Load Input Current			250	mA
	Rated Load Input Current			4.7	A
	Power Consumption (Rated Load)		1026	1040	W
	Efficiency (Rated Load)	86.5	87.8		%
	Power Factor (Rated Load)	97			%
	Switching Frequency	65	75	85	KHz
	Voltmeter Accuracy			±(0.2%+3digits)	
	Ammeter Accuracy			±(0.2%+3digits)	
	Over Voltage Protection (Output:1~5V)	Set voltage+1.4	Set voltage+1.7	Set voltage+2.0	V
	Over Voltage Protection (Output:5~16V)	Set voltage+2.4	Set voltage+2.7	Set voltage+3.0	V
	Leakage Current			2	mA
	Withstanding Test:10mA 60sec. (Input V.S Housing)	1.5			KV
	Withstanding Test:15mA 60sec (Input V.S Output)	3.0			KV
	Insulation Resistance 500 VDC (Input V.S Output and V.S Housing)	100			M(
	Fuse		8.0		A
	Constant Voltage	Maximum setting Voltage	16.1	16.2	16.3
Minimum setting Voltage		0.6	0.8	1.0	V
Setting Accuracy				±(0.2%+0.15)	V
Load Regulation (10~100% Rated Current)				50	mV
Line Regulation (170~264Vac)				20	mV
Ripple & Noise (peak to peak) *1				50	mVp-p
Ripple & Noise (r.m.s) *1				5	mV
Transient Response Time (Step: 50%-100% Rated Load)				1.5	ms
Rated Output Voltage				15	V
Voltage Fluctuation Under RFI *2				±0.5	V
Constant Current	Maximum Setting Current	62.7	63.0	63.3	A
	Minimum Setting Current			0	A
	Setting Accuracy			±(0.3%+0.15)	A
	Load Regulation (10~90% Rated Voltage)			200	mA

Line Regulation (170~264Vac)			50	mA
Ripple & Noise (r.m.s)			100	mA
Rated Output Current			60	A

	ITEM		MIN.	TYP.	MAX.	UNIT
Remote Control	Adjustable output Constant Voltage Range		1.0		16.0	V
	Adjustable output Constant Current Range		0		60.0	A
Factory Preset	P1	Voltage	4.8	5.0	5.2	V
		Current Limit	62.7	63.0	63.3	A
	P2	Voltage	13.6	13.8	14.0	V
		Current Limit	62.7	63.0	63.3	A
	P3	Voltage	14.8	15.0	15.2	V
		Current Limit	62.7	63.0	63.3	A

Remarks:

*1.



O/p Terminal Ripple & Noise measure point
C1=10uF/100V C2=0.1uF/100V

*2 High Frequency Interference Test (Sampling3%).

Test Frequency:

- (1) 144MHz(5W)
- (2) 437MHz(5W)

Prepared by:

Checked by:

Approved by