

**PRODUCTION SPECIFICATION  
DC REGULATED POWER SUPPLY**

MODEL : HCS-3200-000G	B/N: 513913	REV : 1.1	DATE : 2-Dec-2010
DESCRIPTION : 1-18V, 0-20A SWITCHING MODE POWER SUPPLY			
INPUT VOLTAGE : 230Vac		FREQUENCY : 50Hz	
ENVIRONMENT TEMPERATURE : 25C			

	ITEM	MIN.	TYP.	MAX.	UNIT	
General Specifications	Operation Voltage Range	90	230	264	Vac	
	Input Voltage Frequency Range	45	50	65	Hz	
	No Load Input Current			200	mA	
	Rated Load Input Current (230/100V)			2.1 / 4.6	A	
	Power Consumption (Rated Load) (230/100V)		421.0/437.0	425.0/443	W	
	Efficiency (Rated Load)(230/100V)	84.7/81.3	85.5/82.4		%	
	Power Factor (Rated Load)	95.0			%	
	Switching Frequency	100	110	120	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:5~18V)	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			MΩ	
Fuse		F6.0		A		
Constant Voltage	Maximum setting Voltage	18.0	18.2	18.3	V	
	Minimum setting Voltage	0.6	0.8	1.0	V	
	Setting Accuracy			±(0.2%+0.15)	V	
	Load Regulation	10~100% Rated Current (Rear)			50	mV
		0~100% Rated Current (Front)			350	mV
	Line Regulation (90~264Vac)			20	mV	
	Ripple & Noise (peak to peak)	Rear *1			50	mVp-p
		Front				
	Ripple & Noise (r.m.s) *1			5	mV	
	Transient Response Time (Step: 50%-100% Rated Load)			1.5	ms	
Rated Output Voltage			18	V		
Constant Current	Maximum Setting Current	21.5	22	22.5	A	
	Minimum Setting Current			0	A	
	Setting Accuracy			±(0.3%+0.15)	A	
	Load Regulation (10~90% Rated Voltage)			100	mA	
	Line Regulation (90~264Vac)			50	mA	
	Ripple & Noise (r.m.s)			30	mA	
	Rated Output Current			20	A	
	Over Load Protection (Front)	6		9.5	A	

	ITEM	MIN.	TYP.	MAX.	UNIT	
Remote Control	Adjustable output Constant Voltage Range	1.0		18.2	V	
	Adjustable output Constant Current Range	0		20.0	A	
Factory Preset	P1	Voltage	4.8	5.0	5.2	V
		Current Limit	21.5	22	22.5	A
	P2	Voltage	13.6	13.8	14.0	V
		Current Limit	21.5	22	22.5	A
	P3	Voltage	14.8	15.0	15.2	V
		Current Limit	21.5	22	22.5	A

**Remarks:**

\*1.

