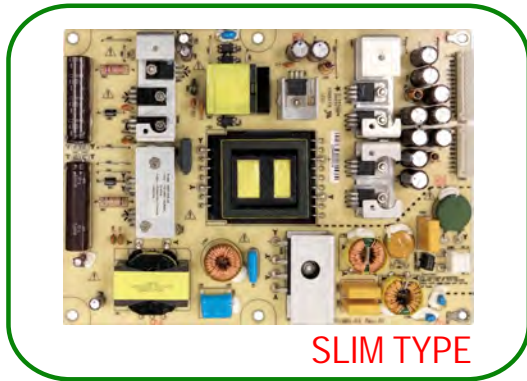


HSM180S series 137.5W~178W TV Power Supply

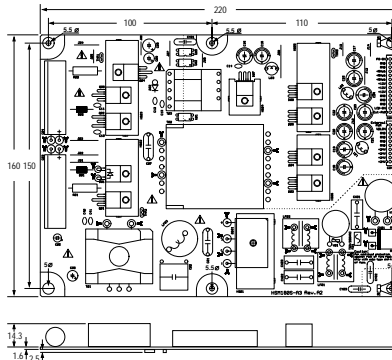
MULTIPLE OUTPUT



SLIM TYPE

MECHANICAL DRAWING

- Dimension : L 220x W160 x H14.3mm



CONNECTOR

- AC input : CN01

Connector type : M3-I39606RS

Pin No.	Symbol	Description
1	AC_L	AC Input Voltage,Line
2	N/C	N/C
3	AC_N	AC Input Voltage,Neutral

- DC output : CON02

Connector type : M10-I25002

Pin No.	Symbol	Description
1	+24V	DC Output Voltage
2	+24V	DC Output Voltage
3	+24V	DC Output Voltage
4	+24V	DC Output Voltage
5	GND	Ground
6	GND	Ground
7	GND	Ground
8	GND	Ground
9	VBL_ON	N/C
10	External PWM	N/C

- DC output : CON03

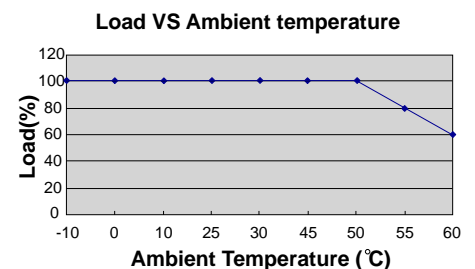
Connector type : M14-I25002

Pin No.	Symbol	Description
1	External PWM	N/C
2	LCD-ON	N/C
3	GND	Ground
4	GND	Ground
5	GND	Ground
6	+12V	DC Output Voltage
7	+12V	DC Output Voltage
8	+12V	DC Output Voltage
9	+5Vsb	DC Output Voltage
10	+5Vsb	DC Output Voltage
11	+5Vsb	DC Output Voltage
12	GND	Ground
13	GND	Ground
14	PS-ON	PS On-Off

SPECIFICATION

MODEL NAME		HSM180S-A3	HSM180S-A5				
Input	Voltage	90VAC ~ 264VAC					
	Frequency(Hz)	47Hz ~ 63Hz					
	Inrush current	< 3A(110VAC), < 1.5A(230VAC)					
Output	Power factor correction	> 0.9 at full load					
	Power saving(Remote off)	< 0.3W					
	Voltage	+5Vsb	+12V	+24V	+5Vsb	+12V	+24V
	Current(Mode-1)	3.5A	3A	3.5A	2A	4A	5A
	Current(Mode-2)	3.5A	4A	3A	2A	6A	4A
	Voltage tolerance	±5%					
	Ripple & Noise	100mV ; 240mV ; 480mV		100mV ; 300mV ; 600mV			
	Max. output power	137.5W			178W		
	Efficiency	> 80%					
	Hold up time	≥ 10ms @115vac					
	Rise time	> 1ms < 20ms					
Protection	Over current	Auto-recovery mode					
	Over voltage	Latch mode					
	Over temperature	Latch mode					
Environment	Operating temperature	-10°C ~ +50°C					
	Storage temperature	-40°C ~ +70°C					
	Humidity	10% ~ 90%					
	MTBF	>50,000hrs @ 25°C(MIL-HDBK-217F)					
EMI requirements	EN55022 class B, EN61000-4-2,4,5						
Safety meet requirements	UL62368-1, EN62368-1						
Dimension(L x W x H mm)	220 x 160 x 14.3 mm(max.)						
Power weight(N.W.)	415g ±2g						

DE-RATING CURVE



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