

**ATX**

**FSP-70PFL Series (250W~460W)**

**FEATURE**

- Meet 80 Plus BRONZE
- Built in Active PFC Function
- High Efficiency
- Low Ripple & Noise
- With OVP, OCP and SCP Protection



**SAFETY STANDARD APPROVAL**



**INPUT SPECIFICATION**

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Input Current	Max. 4.0A @ 115V, Max. 2.0A @ 230V : FSP250-70PFL Max. 6.0A @ 115V, Max. 3.0A @ 230V : FSP300-70PFL
Earth leakage current	Max 3.5mA @ 264Vac/60Hz

**OUTPUT SPECIFICATION**

Output Voltage/ Current	See Product Series List
Output Regulation Load	+3.3V, +5V, +12V, +24V, 5VSB: $\pm 5\%$ -12V: $\pm 10\%$
Ripple and noise	+3.3V, +5V, + 5VSB:50mV p-p / +12V,-12V:120mmV p-p -5V : 100mV p-p / +24V: 240mV p-p
Output Rise Time	115V-rms/230V-rms + 5V: 20ms Maximum
Over Voltage Protection	+3.3Vdc output: Protection point 3.7V~4.8V +5Vdc output: Protection point 5.7V~7.0V +12Vdc output: Protection point 13.3V~16V
Short Circuit Protection	Output short circuit is defined to be a short circuit load of less than 0.1 ohm
Hold Up Time	Min 13mS @115Vac/230Vac, Full Load/FSP250-70PFL, FSP300-70PFL Min 15mS @115Vac/230Vac, Full Load

**ENVIROMENTAL**

Operating Temperature	0°C~50°C
Storage Temperature	- 20°C~80°C
Operating Humidity	5~85%, RH, Non-Condensing
Storage Humidity	5~95%, RH, Non-Condensing

MTBF Min. 100,000 hours at full load at 25°C ambient, predicated by MIL-HDBK-217F

**EMC & Safety**

Safety Standard	EN61000-3-2
EMI	FCC Part 15 Subpart J, Class 'B' 115 Vac operation CISPR 22 Class 'B' 230 Vac operation

PRODUCT SERIES LIST

Model Name	Total Output Watt.	Output Current													
		+3.3V		+5V		+12V1		+12V2		-12V		-5V		+5VSB	
		Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)
FSP250-70PFL	250W	0.3	14.0	0.5	14.0	0.5	17.0	0.5	17.0	0.0	0.5	0.0	0.3	0.1	3.0
FSP300-70PFL	300W	0.3	19.0	0.5	16.0	0.5	17.0	0.5	17.0	0.0	0.5	0.0	0.3	0.1	3.0
FSP350-70PFL	350W	0.5	21.0	0.5	16.0	0.5	17.0	0.5	17.0	0.0	0.5	0.0	0.3	0.1	3.0
FSP400-70PFL	400W	0.5	21.0	0.5	16.0	0.5	17.0	0.5	17.0	0.0	0.5	0.0	0.3	0.1	3.0
FSP460-70PFL	460W	0.5	22.0	0.5	16.0	0.5	18.0	0.5	18.0	0.0	0.5	0.0	0.3	0.0	3.0

Note:

-12V,+3.3V,+5V,+12V will have the regulation±10% when all load take off.

**FSP250-70PFL:** The +3.3V +5V +12V1 total output shall not exceed 90watts. The +3.3V and +5V total output shall not exceed 110watts and total output shall not exceed 250watts.

**FSP300-70PFL:** The +3.3V +5V +12V1 total output shall not exceed 105watts. The +3.3V and +5V total output shall not exceed 110watts and total output shall not exceed 300watts.

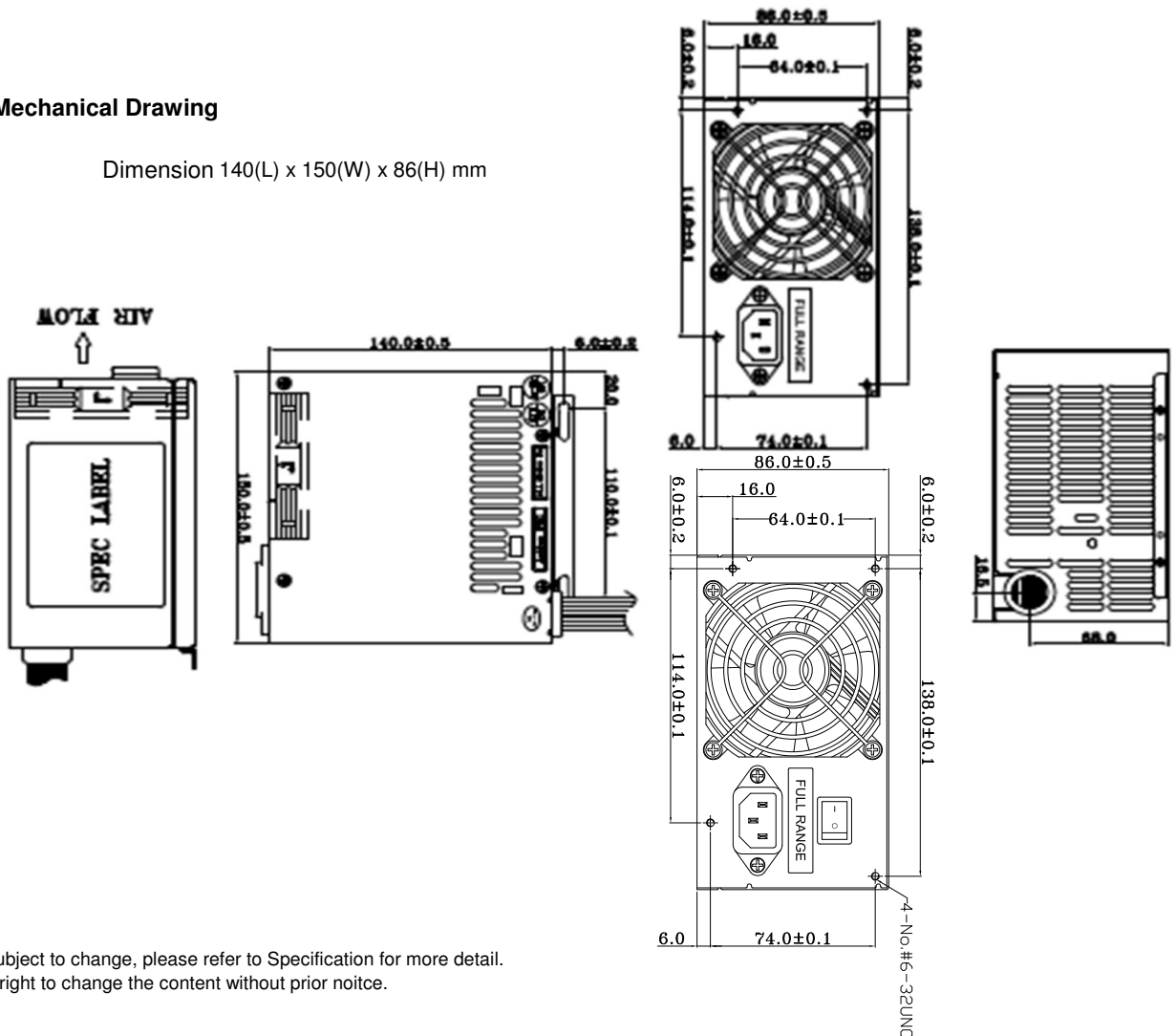
**FSP350-70PFL:** The +3.3V +5V +12V1 total output shall not exceed 105watts. The +3.3V and +5V total output shall not exceed 110watts and total output shall not exceed 350watts.

**FSP400-70PFL:** The +3.3V +5V +12V1 total output shall not exceed 110watts. The +3.3V and +5V total output shall not exceed 110watts and total output shall not exceed 400watts.

**FSP460-70PFL:** The +3.3V +5V +12V1 total output shall not exceed 120watts. The +3.3V and +5V total output shall not exceed 110watts and total output shall not exceed 460watts.

Mechanical Drawing

Dimension 140(L) x 150(W) x 86(H) mm



This content is subject to change, please refer to Specification for more detail. FSP reserve the right to change the content without prior notice.