



# HTS-35M-5 Switching Power Supply

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Protections: Short circuit, Over load  
Fixed switching frequency at 50 KHz  
Free air cooling convection  
100% full load burn-in test

1、 Input parameter
1.1 AC input voltage range: 176~264VAC
1.2 AC input voltage frequency: 47~63Hz
1.3 AC input current: 0.3A/230VAC
1.4 AC inrush current: Cold start, 35A
1.5 Efficiency: 72%
1.6 Leakage current: <3.5mA/240VAC
2、 Output parameter
2.1 DC output voltage: 5VDC
2.2 DC output rated current: 7A
2.3 DC output current range: 0~7A
2.4 DC output rated power: 35W
2.5 Ripple & Noise (max): 60mVp-p  (Measured at 20MHz of bandwidth by using a 12mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor)

2.6 DC output voltage adjustment range (min): 4.5V~5.5V

2.7 DC output voltage tolerance: 4.95~5.05V

2.8 DC output line regulation:  $\pm 1\%$

2.9 DC output load regulation:  $\pm 1\%$

2.10 Power setup time: 1000mS at full load

2.11 Power rise time: 50mS at full load

2.12 Power hold time: 20mS at full load

2.13 Power respond time: 500uS

### 3、Protection

3.1 Over load: 110~150% of rated load, Hiccup mode, Auto-recovery

3.2 Short circuit: Hiccup mode, Auto-recovery

### 4、Working Environment

4.1 Working temperature range:  $-10\sim 40^{\circ}\text{C}@100\%$ ,  $60^{\circ}\text{C}@60\%$  load

4.2 Working humidity range: 20~90%RH non-condensing

4.3 Storage temperature range:  $-20^{\circ}\text{C}\sim +85^{\circ}\text{C}$

4.4 Storage humidity range: 10~95%RH

4.5 Temperature coefficient:  $\pm 0.03\%/^{\circ}\text{C}$  ( $0\sim 50^{\circ}\text{C}$ )

4.6 Vibration: 10~500Hz, 2G, 10min/cycle, 60min, each along X, Y, Z axes

### 5、Safety & EMC

5.1 Safety standards: Design refer to GB4943-2001, UL1012

5.2 Withstand voltage: I/P-O/P、I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC

