



# HTS-25M-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 High Temperature 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 at 230VAC
1.5 Efficiency: 76%
1.6 Leakage current: $\leq 3.5\text{mA}/240\text{VAC}$
2、 Output parameter
2.1 DC output voltage: 5VDC
2.2 DC output rated current: 5A
2.3 DC output current range: 0~5A
2.4 DC output rated power: 25W
2.5 Ripple & Noise (max): 100mVp-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 load regulation: $\pm 2\%$
2.9 Power setup time: 1000mS at full load 230VAC
2.10 Power rise time: 50mS at full load 230VAC
2.11 Power hold time: 20mS at full load 230VAC
2.12 Power respond time: 500uS
3、 Protection
3.1 Over Load: 110%~150% hiccup model. Auto-recovery
3.2 Short Circuit: Hiccup model. 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
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
5.1 Safety standards: Design refer to GB4943-2001, UL 60950-1
5.2 Withstand voltage: I/P-O/P, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC
5.3 Isolation resistance: I/P-O/P, I/P-FG, O/P-FG: $50\text{M}\Omega/500\text{VDC}$
6、 Others

6.1 MTBF: 100, 000 hours min, MIL-HDBK-217F(25°C)
6.2 Dimension: 85*58*36mm (L*W*H)
6.3 Connection: 5P/7.5mm pitch terminal block
6.4 Weight: 0.18Kgs/pc
6.5 Packing: 108pcs/Carton, 19.5Kgs