

55W Dual Outputs Power Supply

HF55W-DEK



FEATURES

- Universal AC input (88-264Vac)
- compact size for dual outputs
- Top international brand components for key parts
- Electrolytic capacitors all 105 °C
- Protections: overload/ over voltage/ short circuit
- 3 years limited warranty
- Dimension: 99 x 97 x 38mm

SPECIFICATIONS

Input Voltage	88-264Vac (170-370Vdc)
Input Current	1.7A
Input Frequency	47~63Hz
Inrush Current	cold start, 20A/115V, 40A/230V
Input Leakage Current	< 1.0mA/230VAC
Line Regulation (full load)	V1 \pm 0.5% V2 \pm 10%
Voltage Adjust Range	V1 \pm 5%
Output Overload Protection	105~150%, hiccup auto-recovery
Output Over Voltage Protection	115~150%, hiccup auto-recovery
Short Circuit Protection	hiccup mode, auto recovery
Rise Time	100ms @full load (typical)
Hold up Time	20ms @full load (typical)
Mechanical Feature	metal housing, din rail mounting
Dimensions	99 x 97 x 38mm (L x W x H)

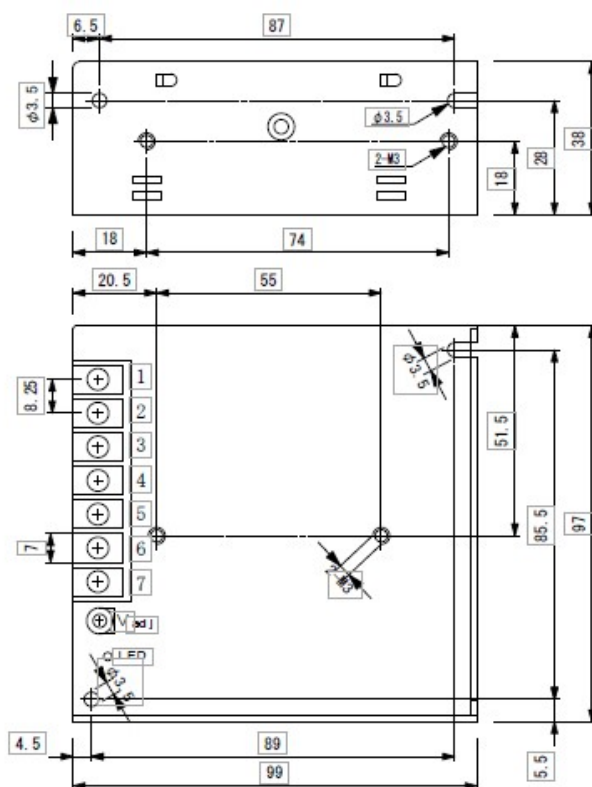
Operating Temperature	-20°C ~+70°C(ref. derating curve)
Storage Temperature	-20°C ~+85°C
Operating Humidity	20%~93%RH(non condensing)
Storage Humidity	20%~95%RH(non condensing)
MTBF	>100,000 hours
Cooling	Convection
Safety Standards	meet , UL60950, EN60950
EMC Standards	meet GB9254, EN55022 Class A EN55024, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Withstand Voltage	I/P -O/P: 3.0KVAC/1min I/P - PE: 1.5KVAC/1min O/P-PE: 0.5KVAC/1min
Vibration	10~150Hz, 2G 10min/1cycle, 30min each along X, Y, Z axes
Connection	7P/8.25 mm pitch screw terminal block
Weight	0.28Kg/unit , 42 units/full carton

Model No.	DC Output		Rate output current	Ripple & Noise (max.)	Efficiency
HF55W-DEK-A	V1	5V	0.3-6.0A	80mVp-p	79%
	V2	12V	0.3-3.A	120mVp-p	
HF55W-DEK-B	V1	5V	0.3-6.0A	80mVp-p	79%
	V2	24V	0.2-2.A	150mVp-p	

NOTE

1. All parameters are measured at 230VAC input, rated load and 25°C ambient temperature.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 0% to 100% of rated load for single output models. For multi-output models, it is measured from 20% to 100% of rated load, and other output at 60% rated load.
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
5. The power supply is regarded as a component which will be installed into the final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Drawing



Terminal Pin No. Assignment

Maximum screw length : 5mm

Pin No.	Assignment	Pin No.	Assignment
1	AC L	5	DC output +V2
2	AC N	6	DC output -V1
3	PE	7	DC output +V1
4	DC output -V2		

