



■ Features :

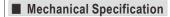
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 89%
- * Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- * Built-in constant current limiting circuit
- 1U low profile 41mm
- * Built-in cooling fan ON-OFF control
- Built-in DC OK signal
- Built-in remote sense function
- 5 years warranty

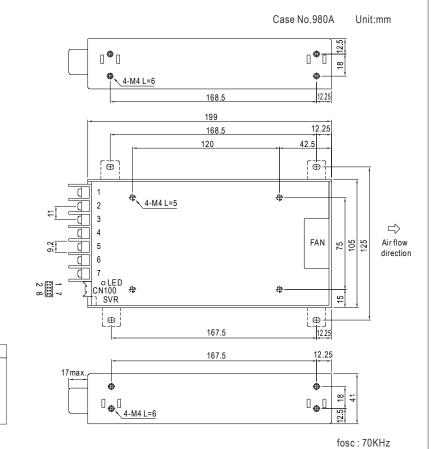


SPECIFICATION

MODEL		HRP-300-3.3	HRP-300-5	HRP-300-7.5	HRP-300-12	HRP-300-15	HRP-300-24	HRP-300-36	HRP-300-48	
	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V	
	RATED CURRENT	60A	60A	40A	27A	22A	14A	9A	7A	
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 40A	0 ~ 27A	0 ~ 22A	0 ~ 14A	0 ~ 9A	0 ~ 7A	
	RATED POWER	198W	300W	300W	324W	330W	336W	324W	336W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	90mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	250mVp-p	250mVp-p	
OUTPUT	VOLTAGE ADJ. RANGE	2.8 ~ 3.8V	4.3 ~ 5.8V	6.8 ~ 9V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	28.8 ~ 39.6V	40.8 ~ 55.2V	
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	1000ms, 50ms	/230VAC 2	2500ms, 50ms/1	15VAC at full loa	d				
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load								
	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.99/115VAC at full load								
INPUT	EFFICIENCY (Typ.)	80%	82%	86%	88%	88%	87%	88%	89%	
	AC CURRENT (Typ.)	3.5A/115VAC	1.8A/230VA	C		'				
	INRUSH CURRENT (Typ.)	35A/115VAC 70A/230VAC								
	LEAKAGE CURRENT	<1.2mA/240VAC								
		105 ~ 135% rated output power								
	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed								
PROTECTION	OVER VOLTAGE	3.96 ~ 4.62V	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2V	
		Protection type	: Shut down o/	p voltage, re-pov	ver on to recove	r	1			
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down								
	DC OK SIGNAL	PSU turns on : 3.3 ~ 5.6V; PSU turns off : 0 ~ 1V								
FUNCTION	FAN CONTROL (Typ.)	Load 35±15% or RTH2≧50°C Fan on								
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT	± 0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE									
(Note 4)	EMC EMISSION									
,	EMC IMMUNITY	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, heavy industry level, criteria A								
OTHERS	MTBF	176K hrs min.	MIL-HDBK-2							
	DIMENSION	199*105*41mn		, ,						
	PACKING		5.3Kg/0.69CUF	T						
NOTE	Ripple & noise are measure Tolerance: includes set up The power supply is consid EMC directives. For guidance (as available on http://www.	ameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. noe: includes set up tolerance, line regulation and load regulation. wer supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets irectives. For guidance on how to perform these EMC tests, please refer to EMI testing of component power supplies. iilable on http://www.meanwell.com) g may be needed under low input voltages. Please check the derating curve for more details.								







■ Output Derating VS Input Voltage

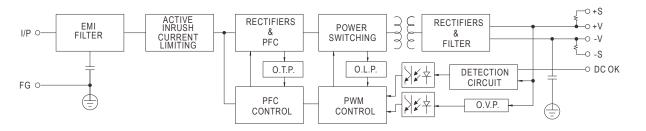
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG ±		

Connector Pin No. Assignment (CN100): HRS DF11-08DP-2DS or equivalent

Pin No.	Assignment	Mating Housing	Terminal		
1,2,4,6	NC				
3	DC-OK	HRS DF11-8DS or equivalent	HRS DF11-**SC		
5	GND				
7	+S		or equivalent		
8	-S				

■ Block Diagram



■ Derating Curve

LOAD (%)

100 80 -60 -50 -40 -20 -100 -90 -70 -(%) G60 -(%) G60 -40 -20 -

(HORIZONTAL)

85

100

125

135

INPUT VOLTAGE (V) 60Hz

155

AMBIENT TEMPERATURE ($^{\circ}\text{C}$)

30

40

60

20

264