



AC → DC SWITCHING POWER SUPPLY

DN045F SERIES

Features



DIMENSIONS: 100(H)*83(D)*49(W)mm
CASE NO: CS035DR



- Convection cooled
- Wide input range
- 100% full load burn-in test
- Great reliability
- MOSFET designed
- 300,000Hrs MTBF per MIL-HDBK-217F
- 2-year warranty

General specifications

INPUT

Input range	100~240VAC 127~380VDC
Input frequency	47~440Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

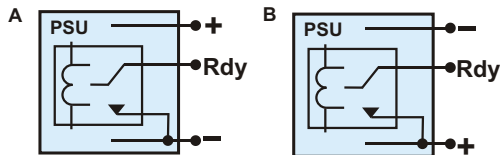
Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery
Power Ready Signal (Optional)	
Redundant function (Optional)	

Detail specifications

45 Watts

MODEL	O/P Volt Adj. \pm %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P. Trip point
		Min.	Rated	Max.					
RP1045D-05F	V1: +5V \pm 10%	0A	9.0A	9.0A	50mVp-p	\pm 1%	\pm 1%	69% Min.	5.8 ~ 7.0V
RP1045D-12F	V1: +12V \pm 10%	0A	3.75A	3.75A	100mVp-p	\pm 1%	\pm 1%	70% Min.	15 ~ 18V
RP1045D-24F	V1: +24V \pm 10%	0A	1.875A	1.875A	150mVp-p	\pm 1%	\pm 1%	75% Min.	27.6 ~ 31V

Rdy Connection



A: Rdy Internal Connection of T Type Terminal Block
B: Rdy Internal Connection of E Type Terminal Block

Please Choose Fit Function,
And Fill In The Blank With Suitable Words.

Order Model: RP1045D-24F ☐ ☐

Optional Function:

Terminal Block: "T" : PCB Barrier Terminal Block
"E" : Mini Terminal Block

Without Function: "N"

Power Ready Signal and Redundant

EMC Standards

EN55022 CLASS B
EN61000-3-2
EN61000-3-3
EN55024

Safety Standards



UL 60950 (Meet)
CSA 60950 (Meet)
CE 60950 Marking

Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 5 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.
 6. Hold-up time is measured at rated load and 110VAC input.