



## ■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## SPECIFICATION

MODEL	RD-35A		RD-35B		RD-3513							
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2					
	DC VOLTAGE	5V	12V	5V	24V	13.5V	-13.5V					
	RATED CURRENT	4A	1A	2.2A	1A	1.3A	1.3A					
	CURRENT RANGE	0 ~ 4A	0 ~ 1A	0 ~ 4A	0 ~ 1.3A	0 ~ 2A	0 ~ 1.5A					
	RATED POWER	32W		35W		35.1W						
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p					
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		CH1: 11.5 ~ 15.5V						
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±2.0%	±5.0%	±4.0%	±4.0%					
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±1.0%	±0.5%	±0.5%					
	LOAD REGULATION Note.5	±0.5%	±3.0%	±0.5%	±2.0%	±3.0%	±3.0%					
INPUT	SETUP, RISE TIME	500ms, 30ms/230VAC		1200ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	80ms/230VAC		16ms/115VAC at full load								
PROTECTION	VOLTAGE RANGE	88 ~ 264VAC	125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)									
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	79%		80%	80%							
	AC CURRENT (Typ.)	0.8A/115VAC	0.55A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC										
	LEAKAGE CURRENT	<2mA / 240VAC										
ENVIRONMENT	OVERLOAD	110 ~ 150% rated output power										
		Protection type : Hiccup mode, recovers automatically after fault condition is removed										
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V		CH1: 16.87 ~ 19.57V								
		Protection type : Hiccup mode, recovers automatically after fault condition is removed										
SAFETY & EMC (Note 6)	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)on CH1 output										
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes										
OTHERS	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved										
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH										
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2, -3, EAC TP TC 020										
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), heavy industry level, EAC TP TC 020										
NOTE	MTBF	3096.5K hrs min. Telcordia SR-332 (Bellcore) ; 541.3K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	99*82*36mm (L*W*H)										
	PACKING	0.3Kg; 45pcs/14Kg/0.76CUFT										

### ■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty

User's Manual



UL62368-1

BS EN/EN62368-1

IEC62368-1

TPTC004

CB

EAC

CE

CA

UL62368-1

BS EN/EN62368-1

IEC62368-1

TPTC004

CB

EAC

CE

CA

UL62368-1

BS EN/EN62368-1

IEC62368-1

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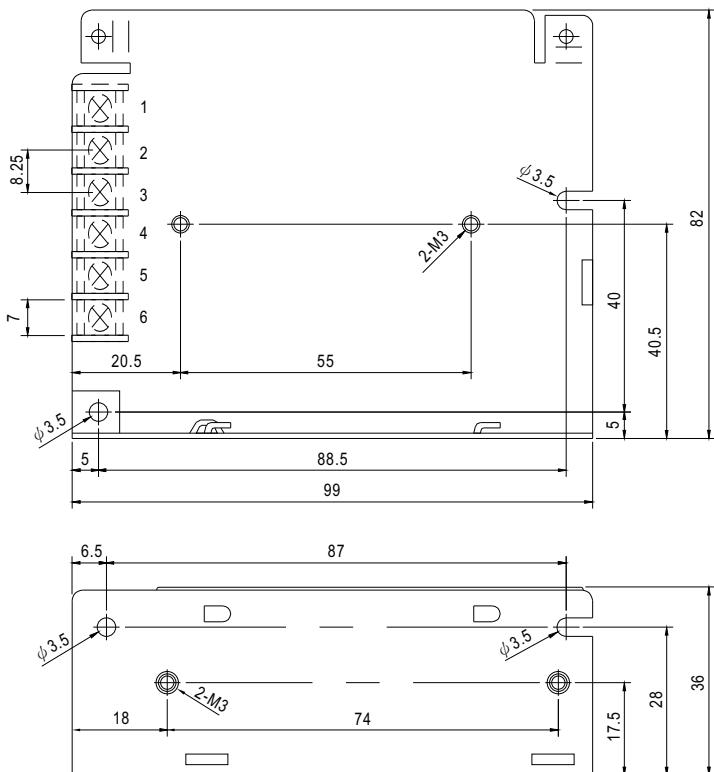
TPTC004

CB

EAC

## ■ Mechanical Specification

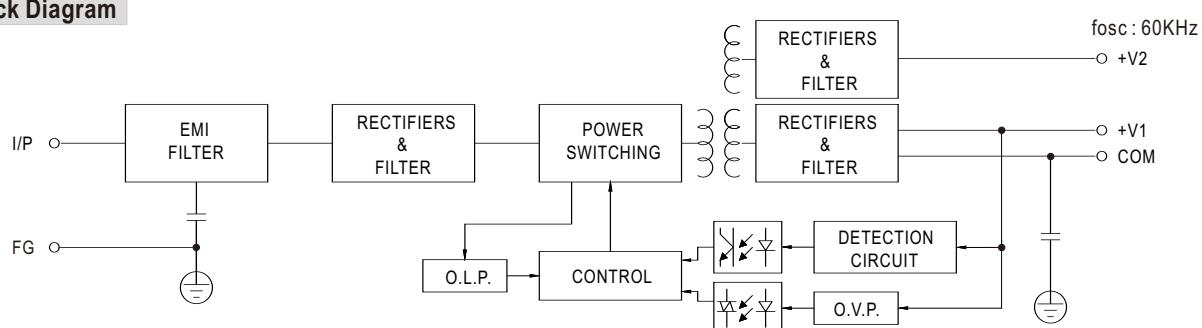
Case No. 932A Unit:mm



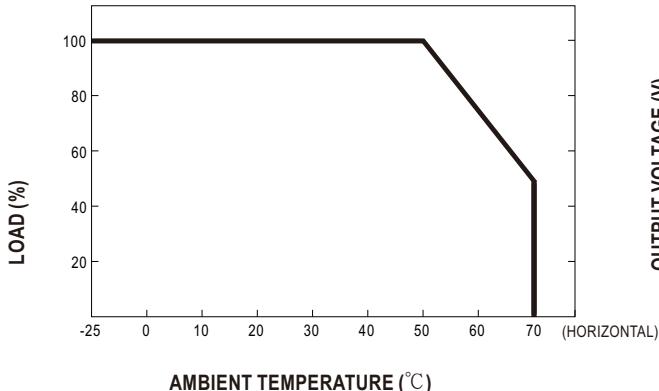
## Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V2
2	AC/N	5	DC OUTPUT COM
3	FG $\pm$	6	DC OUTPUT V1

## ■ Block Diagram



## ■ Derating Curve



## ■ Static Characteristics (A)

