

ZIPPY TECHNOLOGY CORP
POWER DIVISION
PRODUCT SPECIFICATIONS

MODEL : MPN2-6300F
300WATTS N+1 POWER SUPPLY

A、 INPUT CHARACTERISTICS :

- 1、 VOLTAGE : 90 ~ 264VAC FULL RANGE
- 2、 FREQUENCY : 47 ~ 63HZ
- 3、 INPUT CURRENT : 5.0/2.5A (115 / 230 VAC)
- 4、 INRUSH CURRENT : 25A/50A MAX. FOR 115/230 VAC POWER MODULE

B、 OUTPUT CHARACTERISTICS :

OUTPUT VOLTAGE	OUTPUT CURRENT			REGULATION		OUTPUT RIPPLE & NOISE MAX. [P-P]
	MIN. [A]	MAX. [A]	PEAK [A]	LOAD	LINE	
+5V	3	25	30	±5%	±1%	50mV
+12V	1.5	11	16	±6%	±1%	100mV
-12V	0.05	0.5		±11%	±1%	120mV
-5V	0.05	0.5		±11%	±1%	120mV
+3.3V	1	20	25	±5%	±1%	50mV
+5VSB	0.1	1.2		±6%	±1%	50mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 35A
TOTAL OUTPUT OF +5V AND +3.3V AND 12V NOT EXCEED 280W

C、 SPECIFICATION

- 1、 TEMPERATURE RANGE : OPERATING 0°C ~ 40°C
- 2、 HOLD UP TIME : 12mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE
- 3、 DIELECTRIC WITHSTAND : INPUT/OUTPUT 1500 VAC FOR 60 SECOND
INPUT TO FRAME GROUND 1500 VAC FOR 60 SECOND
- 4、 EFFICIENCY : 65% TYPICAL , AT FULL LOAD
- 5、 POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS
- 6、 OVERLOAD PROTECTION : 130±20%
- 7、 OVER VOLTAGE PROTECTION : +5V→ 5.7V ~ 6.5V、 +12V→ 13.6V ~ 15.0V、 +3.3V→ 3.9V ~ 4.3V
- 8、 SHORT CIRCUIT PROTECTION : SHUT DOWN AND LATCH OFF
- 9、 EMI NOISE FILTER : FCC CLASS B, CISPR22 CLASS B
- 10、 SAFETY : UL 1950, CSA 22.2 NO 950, TUV IEC 950
- 11、 REMOTE ON/OFF CONTROL
THE POWER SUPPLY SHALL ACCEPT A LOGIC OPEN COLLECTOR LEVEL WHICH WILL DISABLE/ENABLE ALL THE OUTPUT VOLTAGE (EXCLUDE +5V STAND BY).
AS LOGIC LEVEL IS LOW , OUTPUTS VOLTAGE WERE ENABLE ,
AS LOGIC LEVEL IS HIGH , OUTPUTS VOLTAGE WERE DISABLE.
- 12、 N+1 REDUNDANCY FUNCTION
- 13、 HOT-SWAPPABLE FUNCTION
- 14、 CURRENT/BALANCE LOAD SHARING DESIGN
- 15、 3.3V / 5V REMOTE SENSING
- 16、 ISOLATION:BUILT-IN IN POWER MODULE
- 17、 POWER FACTOR CORRECTION:ACTIVE(MEET IEC-1000-3-2)
- 18、 COOLING : TWO 40mm DC FANS & CHASSIS COOLING
- 19、 DIMENSION : 230mm(D)*164mm(W)*113.2mm(H)
- 20、 CONNECTION:48PINS CONNECTOR(EPT PART NO. 109-40064 OR EQUIVALENT)

APPROVAL	CHECK	DESIGN	REV.
			A1