

MATRIX POWER COMPANY

DESCRIPTION :

- * MO150-VA is current mode PWM type switching power supply.
- * The DC input range is from 10.0 Vdc to 25.0 Vdc.

DC INPUT :

- * Input voltage range : 10.0 Vdc to 25.0 Vdc.
- * Input current : 20A max

DC OUTPUT :

- * General characteristics

	MIN.	MAX.	PEAK	REGULATION(+/-)	RIPPLE&NOISE
+3.3V	0.0A	5.0A	10A	4%	50mv
+5V	1.0A	5.0A	10A	5%	50mv
-5V	0.0A	0.5A	1.0A	5%	50mv
+12V	0.5A	3.0A	5.0A	5%	120mv
-12V	0.0A	0.5A	1.0A	10%	120mv
+24V	0.5A	2.5A	3.0A	10%	240mv
+5Vsb	0.0A	1.0A	1.5A	5%	50mv

- * Total DC MAX. o/p = 132W
- * Peak o/p must less than 150W for 10 seconds
- * Unit can be power up with “ NO LOAD”
- * Set up time : 100ms – 800ms

HOUSE KEEPER :

- * Efficiency : 60% min. at Full load
- * Over Voltage Protect Trig Level : 5.6V - 6.9V (+5V)
- * Over Power Protect Trig Level : 110% - 180% of Max. load
- * Any protect function occurs, unit will be safe.

COOLING :

- * Cooling by free air.

ENVIRONMENT AND MTBF :

- * Operation Temp : 0 to 50
- * Storage Temp : -10 to 80
- * Operation Relative Humidity : 10% - 80%
- * Storage Duration : Max. Six months
- * Altitude : Sea level to 7000 feet
- * MTBF : 20,000 hours at 25 & 70% full load

PHYSICAL MECHANICS :

- * Dimensions : L 155 × W 95 × H 40 (mm)
- * Mounting holes : L 146 × W 86 (mm)