

RT-3 SPECIFICATIONS

1104-4-150A

Items		Model	RT-3-522			RT-3-5FF			RT-3-525		
			CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
1	Nominal Output Voltage	V	+ 5	+ 12	- 12	+ 5	+ 15	- 15	+ 5	+ 12	5
2	Maximum Output Current	A	3.0	1.2	0.3	3.0	1.2	0.3	3.0	1.2	0.3
3	Maximum Output Power/CH	W	15.0	14.4	3.6	15.0	18.0	4.5	15.0	14.4	1.5
4	Maximum Output Power	W	33.0						30.9		
5	Efficiency (Typ) (*1)	%	65			65			65		
6	Input Voltage Range	—	85 ~ 132VAC (47 ~ 440Hz) or 110 ~ 175VDC								
7	Input Current (Typ) (*1)	A	0.92			0.92			0.87		
8	In-rush Current (Typ) (*2)	A	30A at 100VAC (130VDC)								
9	Output Voltage Range (*1)	%	CH1 - Fixed ( $\pm 1\%$ Max); CH2, CH3 - Fixed ( $\pm 5\%$ Max)								
10	Ripple & Noise - Maximum - (Typical)	mV	120 (30)	150 (50)	150 (80)	120 (30)	150 (50)	150 (80)	120 (30)	150 (50)	150 (80)
11	Maximum Line Regulation (*3)	mV	20	48	48	20	60	60	20	48	20
12	Maximum Load Regulation (*4)	mV	100	240	240	100	300	300	100	240	100
13	Over Current Protection (*5)	A	3.3~	1.3~	0.4~	3.3~	1.3~	0.4~	3.3~	1.3~	0.4~
14	Over Voltage Protection	V	—								
15	Hold-Up Time (Typ) (*6)	ms	16								
16	Remote Sensing	—	—								
17	Remote ON/OFF Control	—	—								
18	Parallel Operation	—	—								
19	Series Operation	—	Possible								
20	Operating Temperature (*8)	°C	0 ~ +60								
21	Operating Humidity	%	30% ~ 90% RH								
22	Storage Temperature	°C	-30 ~ +85								
23	Storage Humidity	%	10% ~ 95% RH								
24	Cooling	—	Convection cooled								
25	Temperature Coefficient	%	CH1... 1% (Typ) ; CH2,CH3...Less than 2% at 0°C ~ +60°C								
26	Withstand Voltage (*7)	—	Input - Chassis, Input - Output...1.5kVAC 1min Output - Chassis... 500VAC 1min								
27	Isolation Resistance	$\Omega$	More than 100M $\Omega$ at 25°C and 70% RH Output-Chassis...500VDC								
28	Vibration	—	Less than 9.8m/s <sup>2</sup>								
29	Shock	—	Less than 98.1m/s <sup>2</sup>								
30	Weight	g	440								
31	Size (W·H·D)	mm	37 · 97 · 153.5			Refer to Outline Drawing					

Derating Curve (Vertical mounting)

NOTES

- \*1 : At 100VAC & Maximum Output Power.
- \*2 : Typical value on cold start, Ta=25°C
- \*3 : From 85 ~ 132VAC or 110 ~ 175VDC, constant load.
- \*4 : From No load ~ Full load, constant input voltage.
- \*5 : CH1 Constant current limiting with automatic recovery.  
CH2, CH3 Fold back limiting with automatic recovery.  
(Refer to instruction manual for details)
- \*6 : At 85VAC, Nominal output voltage & Maximum output power.
- \*7 : Refer to instruction manual for testing procedure.
- \*8 : Ratings - Refer to Derating Curve on the right.
  - Load(%) is percent of maximum output power or maximum output current, whichever is greater.
  - Refer to instruction manual for further mounting details.

