

DRF240-24-1

SPECIFICATIONS

PA619-01-01C

ITEMS		MODEL	DRF240-24-1
1	Nominal Output Voltage	V	24
2	Maximum Output Current	A	10
3	Peak Output Current	(*12) A	15
4	Maximum Output Power	W	240
5	Peak Output Power	(*12) W	360
6	Standby Input Power (230VAC)	(*13) W	< 0.5
7	Efficiency (Typ) (115/230VAC)	(*1) %	92.5/94
8	Active Average Efficiency Related to ErP (Typ) (230VAC)	%	92.6
9	Input Voltage Range	(*2) V	85 ~ 264VAC (47-63Hz) (Withstand 300VAC Surge for 5 seconds)
10	Input Current (Typ) (115/230VAC)	(*1) A	2.4 / 1.2
11	Inrush Current (Typ) (230VAC)	(*3) A	20A
12	PFHC	-	Designed To Meet IEC61000-3-2
13	Power Factor (Typ) (115/230VAC)	(*1) -	0.98 / 0.95
14	Output Voltage Range	V	24~28
15	Ripple & Noise	(*1,4) mV	240
16	Line Regulation	(*5,6) mV	96
17	Load Regulation	(*5,7) mV	240
18	Temperature Coefficient	-	Less than 0.02% / °C
19	Over Current Protection	(*8) -	Constant current limit with auto recovery / latch
20	Over Voltage Protection	(*9) V	30~35.5
21	Hold-up Time (Typ)	(*1) ms	20
22	Leakage Current	(*10) -	< 1mA at 240VAC
23	Remote Sensing	-	-
24	Remote ON/OFF control	-	Possible (Active Low)
25	Monitoring Signal	-	DC OK Relay, DC OK LED, Peak LED
26	Series Operation	-	Possible
27	Parallel Operation	-	Possible
28	Operating Temperature	(*11,15) -	-25 ~ +60°C : 100%, +70°C : 75%
29	Operating Humidity	-	5~95%RH (No dewdrop)
30	Storage Temperature	-	-40°C ~ +85°C
32	Storage Humidity	-	5~95%RH (No dewdrop)
32	Cooling	-	Convection Cooling
33	Withstand Voltage	-	Input - Output : 4242VDC (20mA), Input - FG : 2121VDC (20mA) Output - FG : 500VDC (100mA) For 1min.
34	Isolation Resistance	-	Input - FG, Input - Output and Output - FG More than 100MΩ (500VDC) at 25°C and 70%RH
35	Vibration	-	At no operating, 10 - 55Hz (sweep for 1min) 19.6m/s ² (2G) Constant, X, Y, Z 1hour each.
36	Shock/(In Package)	-	Less Than 196 m/s ² (20G)
37	Operating Altitude	-	3000m
38	Safety	-	Approved by UL60950-1, CSA22.2 No. 60950-1-07 (2nd Edition) IEC/EN60950-1, UL508.
39	EMI	-	Designed to meet EN55022-B, CISPR22-B,
40	CE	-	LVD, RoHS 2, EMC
41	Immunity	-	Designed to meet EN61000-4-2 (Level 2,3), -3 (Level 3), -4 (Level 3), -5 (Level 4), -6 (Level 3), -8 (Level 4), -11
42	Weight(Typ.)	g	900
43	Size (L x W x H)	mm	49 x 123.4 x 115.4 (Refer to Outline drawing)

* Read instruction manual carefully , before using the power supply unit.

=NOTES=

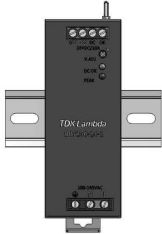
- *1. At Maximum Output Power, nominal input voltage, Ta = 25°C.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
- *3. Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
- *4. Ripple & noise are measured at 20MHz by using a 300mm twisted pair of load wires terminated with a 0.1uF Film Capacitor and a 47uF Electrolytic Capacitor.
- *5. Measure line & load regulation at output terminal.
- *6. 85 - 264VAC, constant load.
- *7. No load - Full load, constant input voltage.
- *8. Constant current limit with auto recovery. Over rated current (>105%) condition for more than 4 sec will cause power supply to shutdown.
- *9. OVP circuit will shutdown output, manual reset (CNT reset or Re-power on).
- *10. Measured by each measuring method of UL and EN (at 60Hz), Ta = 25°C.
- *11. Refer to Output Derating Curve (PA619-01-02_) for details of output derating versus ambient temperature.
- *12. Operating period at peak output current is 4sec. max, duty ≤ 0.35, <10Arms Current.
- *13. Standby input power refers to the power consumption during remote off.
- *14. All parameters not specifically mentioned are measured at 230VAC input, rated load and Ta = 25°C.
- *15. For cases where conformance to various safety specs, operating temperature is -25 ~ +70°C.

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PA619-01-02

DERATING CURVE

***COOLING : CONVECTION COOLING**

Ta (°C)	LOAD (%)	STANDARD MOUNTING
-25 ~ +60	100	
70	75	

