SPECIFICATIONS (1/2)

A283-01-01A

A283-01-01A		1	1	1	1
ITEMS		RDS180A-24-5	RDS180A-24-12	RDS180A-24-15	RDS180A-24-24
INPUT					•
Input Voltage Range		18 - 32VDC			
Efficiency (Typ) (*1)	%	81	85	86	86
Input Current (Typ) (*1)	Α	9.3	8.9	8.8	8.8
Inrush Current (Typ) (*1)	-	30A at Cold Start			
OUTPUT					
Nominal Output Voltage	V	5	12	15	24
Output Voltage Initial Set Accuracy (*9)	-		±1	%	•
Maximum Output Current	A	36.0	15.0	12.0	7.5
Maximum Output Power	W	180.0	180.0	180.0	180.0
Maximum Line Regulation (*2)	mV	40	96	120	192
Maximum Load Regulation (*3)	mV	50	120	150	240
Temperature Coefficient	-		Less than (0.02% / °C	
Maximum Ripple (*4)	mV	50	80	80	100
Maximum Ripple & Noise (*4)	_	100	170	200	290
Output Voltage Range	V	4.0 - 6.0	9.6 - 14.4	12.0 - 18.0	19.2 - 28.8
Over Current Protection (*5)	-		105% -	135%	<u>I</u>
Over Voltage Protection (*6)	_	6.2 - 7.3	15.0 - 17.4	18.7 - 21.8	30.0 - 34.8
FUNCTION		l	l		<u>I</u>
Remote ON/OFF Control	-		Poss	ible	
Remote Sensing	-	Possible			
Parallel Operation	-	Possible			
Series Operation	-	Possible			
ENVIRONMENT	ı				
Operating Temperature (*7)	-	-20 to +60°C (-20 to +50°C:100%, +60°C:70%)			
Storage Temperature	-	-25 to +75°C			
Operating Humidity	-		20 to 95%RH (1		
Storage Humidity	-		20 to 95%RH (1		
Vibration (*8		At No operating, 10 to 55Hz: 19.6m/s ² Constant, X,Y,Z 1hour each.			
violation (o	_	Designed to meet JIS E 3014-2-B			
	_	Designed to mee			155 requirement)
Shock (*8)	_	Designed to meet IEC61373 - Category 1 - Grade B (EN50155 require 196m/s ² (time : 11±5ms)		1	
		Designed to meet JIS E 3015-2 (294m/s ² (time : 6±3ms))			
	_		t IEC61373 - Categor		
Cooling	_		Convectio		1
ISOLATION				8	
Withstand Voltage		Input - Output, Input - FG: 2kVAC(10mA) for 1min.,			
William College		_	tput - CNT(RC) : 100		
Isolation Resistance	_	3	Output - FG : 500		
isolation resistance		Output - TG : 300 VDC 100 Wolfin, Output - CNT(RC) : 100 VDC 10 Mohm			
STANDARD AND COMPLIANCE			output Criticite)	100 VBC TOWORD	
Safety	Ι.	Annrove	ed by IEC/EN/CSA/II	L62368-1 (Altitude<	3.000m)
Conducted Emission (*8)		Approved by IEC/EN/CSA/UL62368-1 (Altitude≤3,000m) Designed to meet EN55011/EN55032-B, FCC-ClassB, VCCI-B,			
Radiated Emission (*8)	_	EN50121-3-2 (EN50155 requirement)			
Immunity (*8)	-	Designed to meet IEC61000-4-2(Level 2,3), - 4(Level 3), -5(Level 1), -8(Level 4)			
MECHANICAL (*6)		Designed to meet I	LC01000-7-2(LC0C12	,5),- 1 (Level 5), -5(L	5, -0(LCVCI 4)
Weight (Typ.)	σ		1.1	00	
Size (W x H x D)	g	1100 80 x 95 x 220 (Refer to Outline Drawing)			
DINE (M Y II Y D)	mm	1 OU A 73 A 220 (Refet to Outline Drawing)			

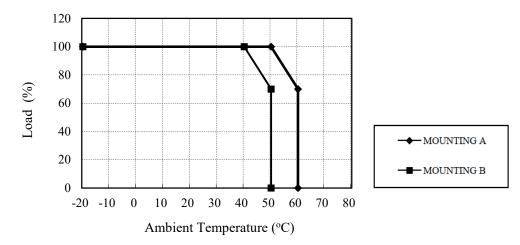
SPECIFICATIONS (2/2)



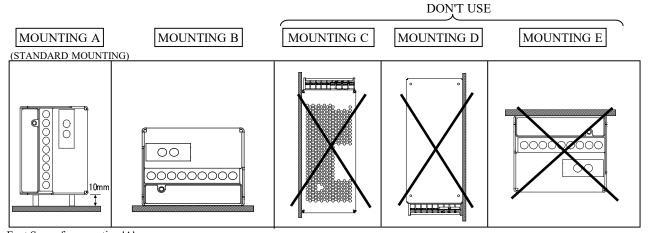
A283-01-02

* Cooling : Convection cooling						
Ta (°C)	LOAD (%)					
	MOUNTING A	MOUNTING B				
-20 - +40	100	100				
50	100	70				
60	70	-				

Output derating Curve



Mounting direction



Foot Space for mounting 'A' must be 10mm or higher when having an output power larger than 150W.