# SPECIFICATIONS (1/2)

# A283-01-01A

A283-01-01A	DEL				I		
ITEMS	DDEL		RDS180A-24-5	RDS180A-24-12	RDS180A-24-15	RDS180A-24-24	
INPUT							
Input Voltage Range		_		18 - 32	ZVDC		
Efficiency (Typ)	(*1)	%	81	85	86	86	
Input Current (Typ)	(*1)	A	9.3	8.9	8.8	8.8	
Inrush Current (Typ)	(*1)	-	7.5	30A at C		0.0	
OUTPUT	(1)	_		3071 at C	old Start		
Nominal Output Voltage		V	5	12	15	24	
Output Voltage Initial Set Accuracy	(*9)	-		±1		21	
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	( 5)	-		Less than (		,	
Maximum Ripple	(*4)	mV	50	80	80	100	
Maximum Ripple & Noise	(*4)	mV	100	170	200	290	
Output Voltage Range	( 1)	V	4.0 - 6.0	9.6 - 14.4	12.0 - 18.0	19.2 - 28.8	
Over Current Protection	(*5)	-		105% -			
Over Voltage Protection	(*6)	V	6.2 - 7.3	15.0 - 17.4	18.7 - 21.8	30.0 - 34.8	
FUNCTION	( )		V.= 7.5				
Remote ON/OFF Control		_		Poss	sible		
Remote Sensing		_	Possible				
Parallel Operation		_	Possible				
Series Operation		_	Possible				
ENVIRONMENT							
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 (2		-	At No operating, 10 to 55Hz: 19.6m/s <sup>2</sup> Constant, X,Y,Z 1hour each.				
	,	-	Designed to meet JIS E 3014-2-B				
		-	Designed to meet IEC61373 - Category 1 - Grade B (EN50155 requirement)				
Shock (*8)		-	$196\text{m/s}^2 \text{ (time : } 11\pm5\text{ms)}$				
		-	Designed to meet JIS E 3015-2 (294m/s <sup>2</sup> (time: 6±3ms))				
		-	Designed to meet IEC61373 - Category 1 - Grade B (EN50155 requirement)				
Cooling		-		Convectio		•	
ISOLATION							
Withstand Voltage		-	Input - Output, Input - FG: 2kVAC(10mA) for 1min.,				
			Output - CNT(RC) : 100VAC(100mA) for 1min.				
Isolation Resistance		-	Output - FG : 500VDC 100Mohm,				
			Output - CNT(RC) : 100VDC 10Mohm				
STANDARD AND COMPLIANCE				•			
Safety		-	Approved by IEC/EN/CSA/UL62368-1 (Altitude≤3,000m)				
Conducted Emission	(*8)	-	Designed to meet EN55011/EN55032-B, FCC-ClassB, VCCI-B,				
Radiated Emission	(*8)	-	EN50121-3-2 (EN50155 requirement)				
		_	Designed to meet IEC61000-4-2(Level 2,3), -4(Level 3), -5(Level 1), -8(Level 4)				
Immunity	(*8)	-	Designed to meet I	EC61000-4-2(Level 2	,3),- 4(Level 3), -3(L	evel 1), -o(Level 4)	
Immunity MECHANICAL	(*8)	-	Designed to meet I	EC61000-4-2(Level 2	,5),- 4(Level 3), -3(L	evel 1), -8(Level 4)	
	(*8)	- g	Designed to meet I	EC61000-4-2(Level 2		evel 1), -8(Level 4)	

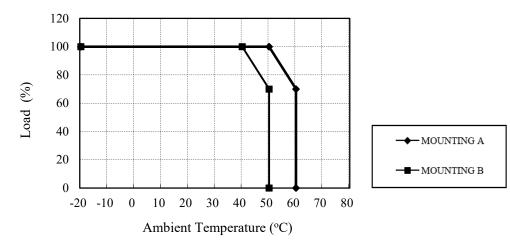
### SPECIFICATIONS (2/2)



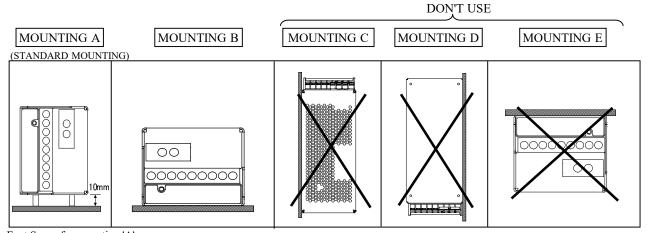
# A283-01-02

* 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.