



SEARCH RESULT

PEC

REPORT

CERTIFICATE

3D OUTLINE

OTHERS

 SHARE



SEARCH RESULT

PEC

REPORT

CERTIFICATE

3D OUTLINE

OTHERS

SHARE



100W Railway Single Output DC-DC Converter

RSI



■ Features :

- Compliance to EN50155 and EN45545-2 r
- 2:1 wide input range
- Protections: Short circuit / Overload / Over
- 4000VDC I/O isolation
- Cooling by free air convection
- Half encapsulated
- Built-in constant current limiting circuit
- 1U low profile 36mm
- All using 105°C long life electrolytic capacit
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty



SPECIFICATION

MODEL		RSD-100B-5	RSD-100B-12	RSD-100B-24	RSD-100C-5	RSD-100C-12	RSD-100C-24	RS	
OUTPUT	DC VOLTAGE	5V	12V	24V	5V	12V	24V	5V	
	RATED CURRENT	20A	8.4A	4.2A	20A	8.4A	4.2A	20.	
	CURRENT RANGE	0 ~ 20A	0 ~ 8.4A	0 ~ 4.2A	0 ~ 20A	0 ~ 8.4A	0 ~ 4.2A	0 ~	
	RATED POWER	100W	100.8W	100.8W	100W	100.8W	100.8W	10	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	100mVp-p	120mVp-p	150mVp-p	10	
	VOLTAGE TOLERANCE Note.3	± 2.0%	± 2.0%	± 2.0%	± 2.0%	± 2.0%	± 2.0%	±	
	LINE REGULATION	± 0.5%	± 0.3%	± 0.2%	± 0.5%	± 0.3%	± 0.2%	±	
	LOAD REGULATION	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	±	
	SETUP, RISE TIME	800ms, 50ms at full load							
HOLD UP TIME (Typ.)	Please refer to page 3 Hold up Time(Load de-rating curve)								
INPUT	VOLTAGE RANGE	CONTINUOUS	16.8 ~ 31.2VDC			33.6 ~ 62.4VDC		67	
		1 SEC.	14.4 ~ 33.6VDC			28.8 ~ 67.2VDC		57	
	EFFICIENCY (Typ.)	88%	89%	89%	89%	91%	91%	89.	
	DC CURRENT (Typ.)	4.8A/24V	4.8A/24V	4.8A/24V	2.4A/48V	2.4A/48V	2.4A/48V	1.2	
	INRUSH CURRENT (Typ.)	30A/24VDC			30A/48VDC			30.	
INTERRUPTION OF VOLTAGE SUPPLY	EN50155:2007-B/C- type comply with S1 level @ full load, comply with S2 level @ 70% load ; I EN50155:2017-Comply with S1 level								
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is rem							
	OVER VOLTAGE	5.75 ~ 7V	13.8 ~ 16.2V	27.6 ~ 32.4V	5.75 ~ 7V	13.8 ~ 16.2V	27.6 ~ 32.4V	5.7	
		Protection type : Shut down o/p voltage, re-power on to recover							