

Features

- 10 WATT DIL PACKAGE
- 4:1 WIDE INPUT VOLTAGE
- EFFICIENCY TO 86%
- PI INPUT FILTER
- 100% BURNED IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOMIZED SOLUTIONS AVAILABLE
- REGULATED OUTPUT TYPE



**10 Watt DC/DC
Converter**

WIDE INPUT VOLTAGE RANGE
10 WATT DC-DC CONVERTER

Input Specifications

Input Voltage	:24Vdc
Input Voltage Range	:9~36Vdc

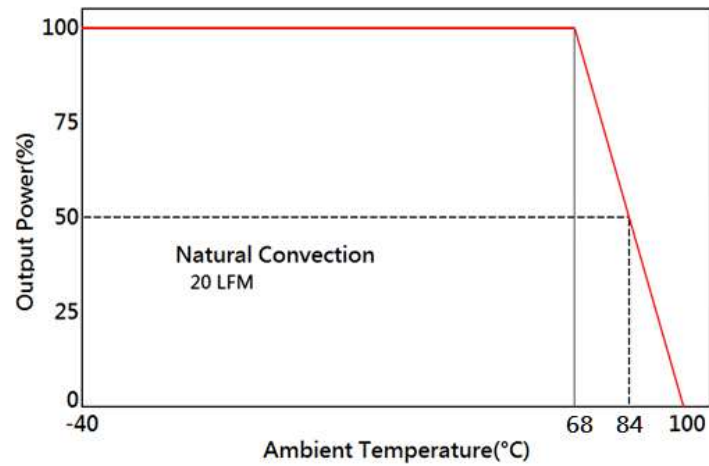
Output Specifications

Output Voltage	:12Vdc	
Output Voltage Accuracy	:±2%	@11.76~12.24Vdc @Vin=9~36Vdc
Output Current	:833mA	
Efficiency	:86% TYP	@Vin=24Vdc
Ripple / Noise	:100mVp-p MAX	@20MHz Bandwidth
Short Circuit Protection	:Continuous	@Hiccup, auto-recovery
Line Regulation	:±0.5% MAX	@Full Load
Load Regulation	:±0.5% MAX	@25% TO 100% Load

General Specifications

Operating Temperature Range	: -40°C ~ +84°C (with derating)	Output load derate 4% per degree Celsius above 75°C as refer to temperature derating graph.
Storage Temperature	: -55°C ~ +125°C	
Switching Frequency	: 400KHz TYP	
Humidity	: 95% MAX	
Isolation Voltage	: 1500Vdc	
Isolation Resistance	: 1000M Ω MIN	
Cooling	: Free air convection	
MTBF	: ≥900000 Hours	MIL-HDBK-217F@25°C, Ground Benign.
Case Material	: Six-side shielded case	
Weight	: 17.5 g TYP	
Conducted Emission	: EN55022 Class A	
Radiated Emission	: EN55022 Class A	

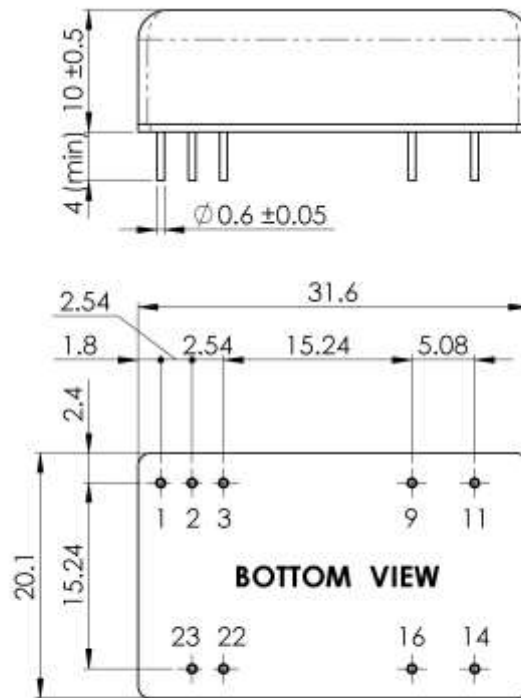
Temperature Derating Graph **Part Number**



68DW10- **24** **S** **12** **R** **NL**
A **B** **C** **D** **E** **F**

- A:Series**
- B:Input Voltage**
- C:Single(S)**
- D:Output Voltage**
- E:Regulated(R)**
- F:RoHs Version**

Outline Dimensions

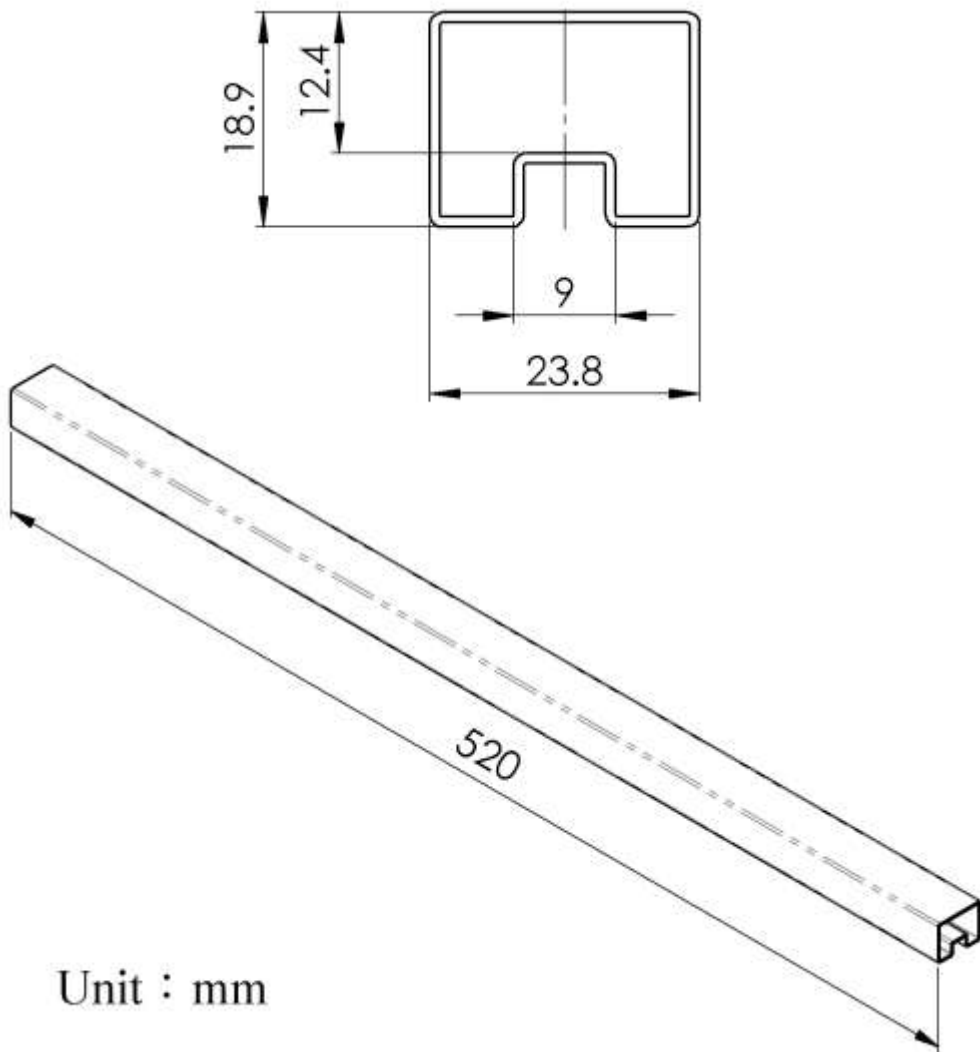


Unit : mm
 Tolerance : XX.X+0.5 , XX.XX ±0.25

PIN Assignment

PIN	1	2,3	9	11	14	16	22,23
FUNCTION	Remote ON/OFF	-Vin	NC	NC	+Vout	-Vout	+Vin

Packing Formation



Unit : mm

Weight	: 17.5 grams/pcs
Tube	: 15 pcs