

Features

- 10 WATT DIL PACKAGE
- 4:1 WIDE INPUT VOLTAGE
- EFFICIENCY TO 83%
- 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	:48Vdc	
Input Voltage Range	:18~75Vdc	
Under voltage shut down (lock-out circuit)	:16.0 Vdc Typ	
Remote ON/OFF	:Open or 0~1.2Vdc(DC/DC ON) :Short or 2.2~12Vdc(DC/DC OFF) :-0.5 ~ +0.5 mA :3 mA TYP	@Negative logic (Standard) (Refer to -Vin PIN) @Input current of Remote ON/OFF pin @Remote off input current

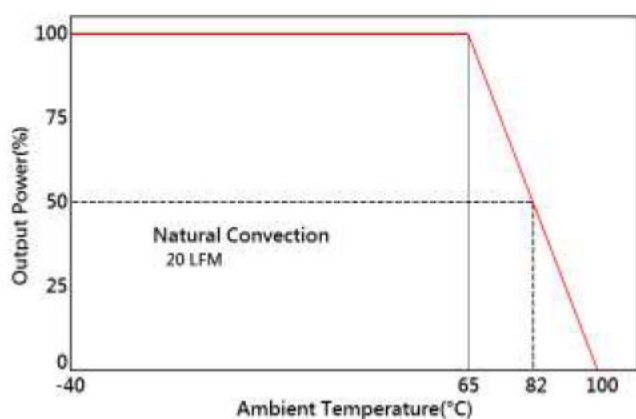
Output Specifications

Output Voltage	:15Vdc	
Output Voltage Accuracy	:±2%	@14.7~15.3Vdc @Vin=18~75Vdc
Output Current	:670mA	
Efficiency	:83% TYP	@Vin=48Vdc
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 ~ +82°C (with derating)	Output load derate 2.86% per degree Celsius above 65°C as refer to temperature derating graph.
Storage Temperature	: -55°C ~ +125°C	
Switching Frequency	: 300KHz TYP	
Humidity	: 95% MAX	
Isolation Voltage	: 3000Vac	
Isolation Resistance	: 1000M Ω MIN	
Cooling	: Natural Convection	@20LFM
MTBF	: ≥700000 Hours	MIL-HDBK-217F@25°C, Ground Benign.
Case Material	: Plastic case	
Weight	: 13.5 g TYP	
Conducted Emission	: EN55011 CLASS A	
Radiated Emission	: EN55011 CLASS A	

Temperature Derating Graph

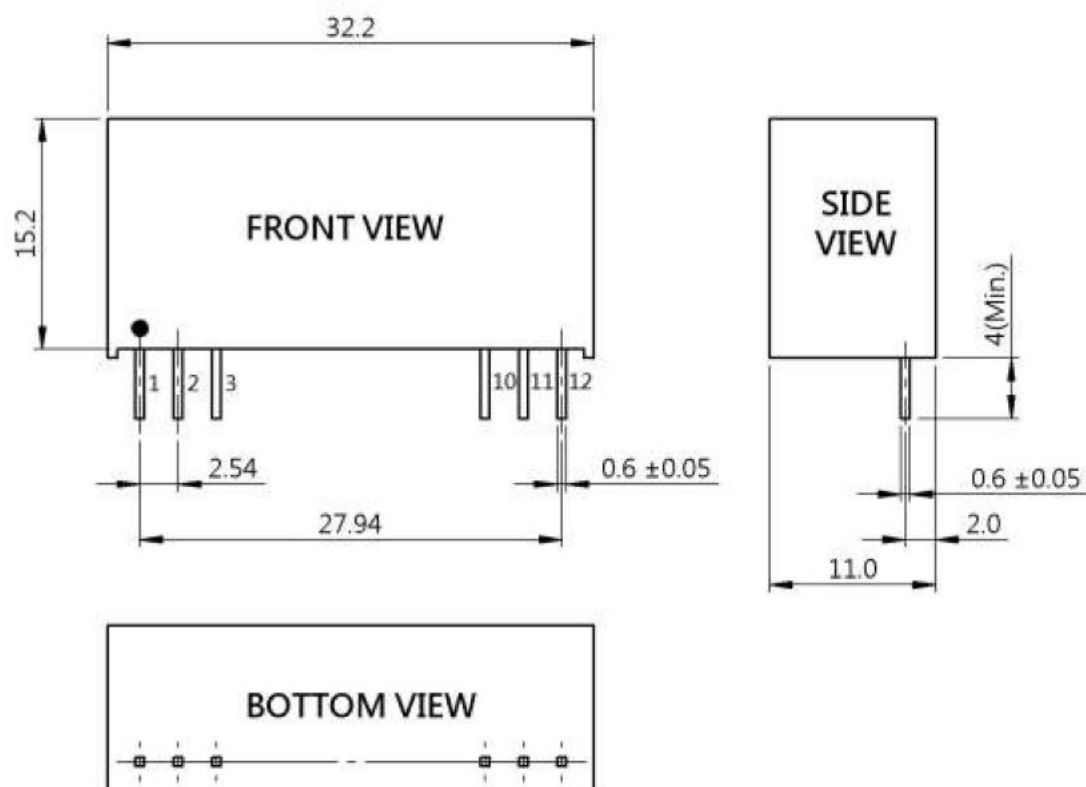


Part Number

30DW- **48** **S** **15** **R** **10W** **M**
A **B** **C** **D** **E** **F** **G**

A: Series
B: Input Voltage
C: Single Output
D: Output Voltage
E: Regulated(R)
F: Power
G: Medical Application

Outline Dimensions



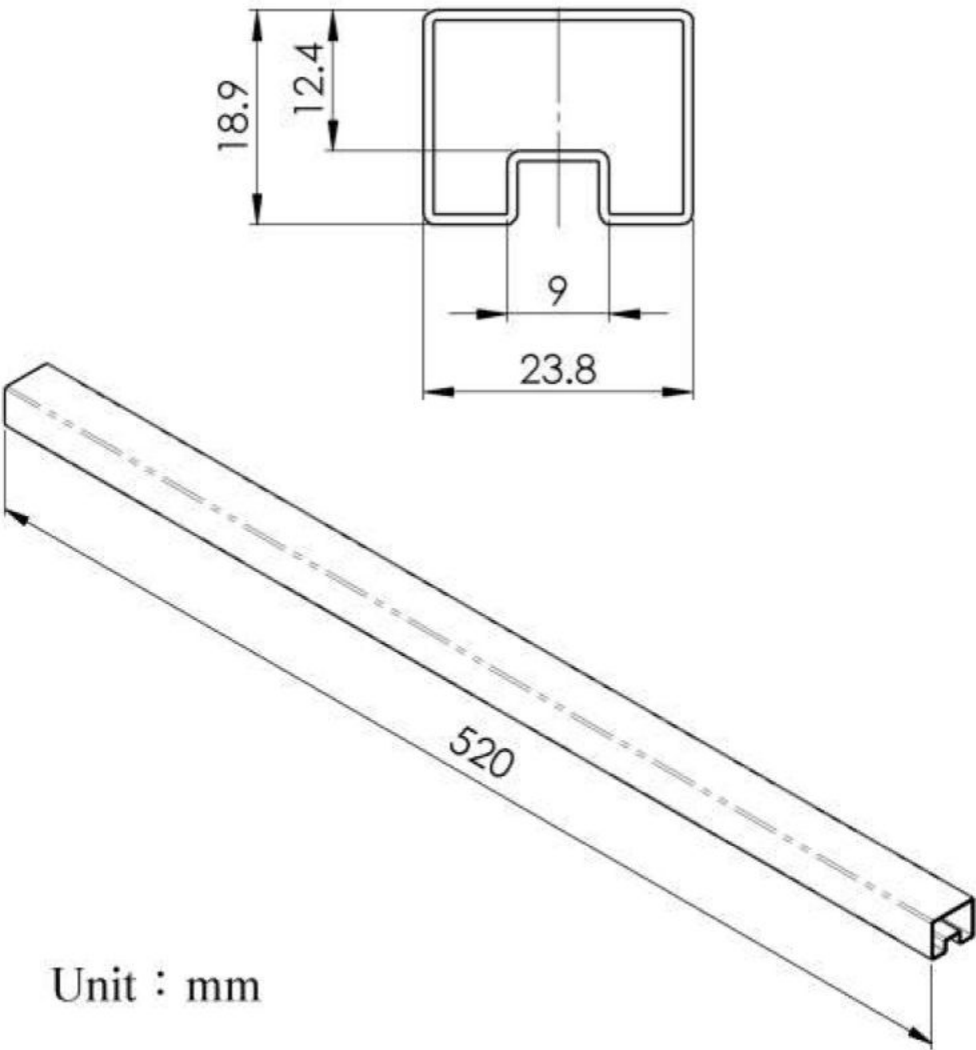
Unit : mm

Tolerance : XX.X ± 0.5 , XX.XX ± 0.25

PIN Assignment

PIN	1	2	3	10	11	12
FUNCTION	-Vin	+Vin	Remote ON/OFF	+Vout	-Vout	NC

Packing Formation



Unit : mm

Weight	: 13.5 grams/pcs
TUBE	: 15 pcs