

**Features**

- 10 WATT DIL PACKAGE
- 4:1 WIDE INPUT VOLTAGE
- EFFICIENCY TO 82%
- 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	:5Vdc	
Output Voltage Accuracy	:±2%	@4.9~5.1Vdc @Vin=9~36Vdc
Output Current	:2000mA	
Efficiency	:82% 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

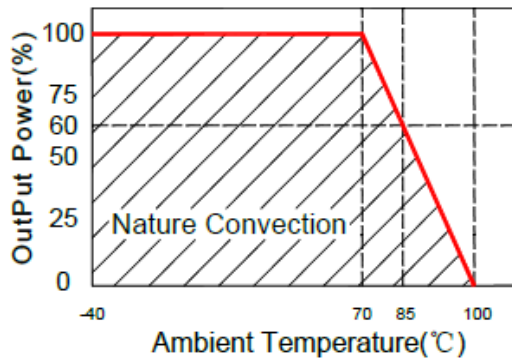
### General Specifications

Operating Temperature Range	: -40°C ~ +100°C (with derating)	Output load derate 3.33% per degree Celsius above 70°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	: Free air convection	
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

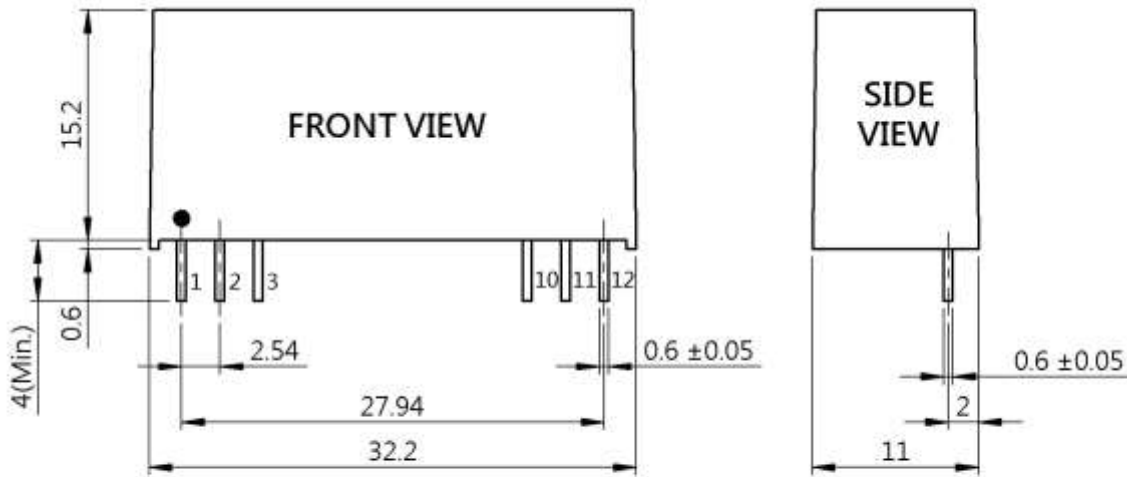
Part Number

30DW- 24 S 05 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

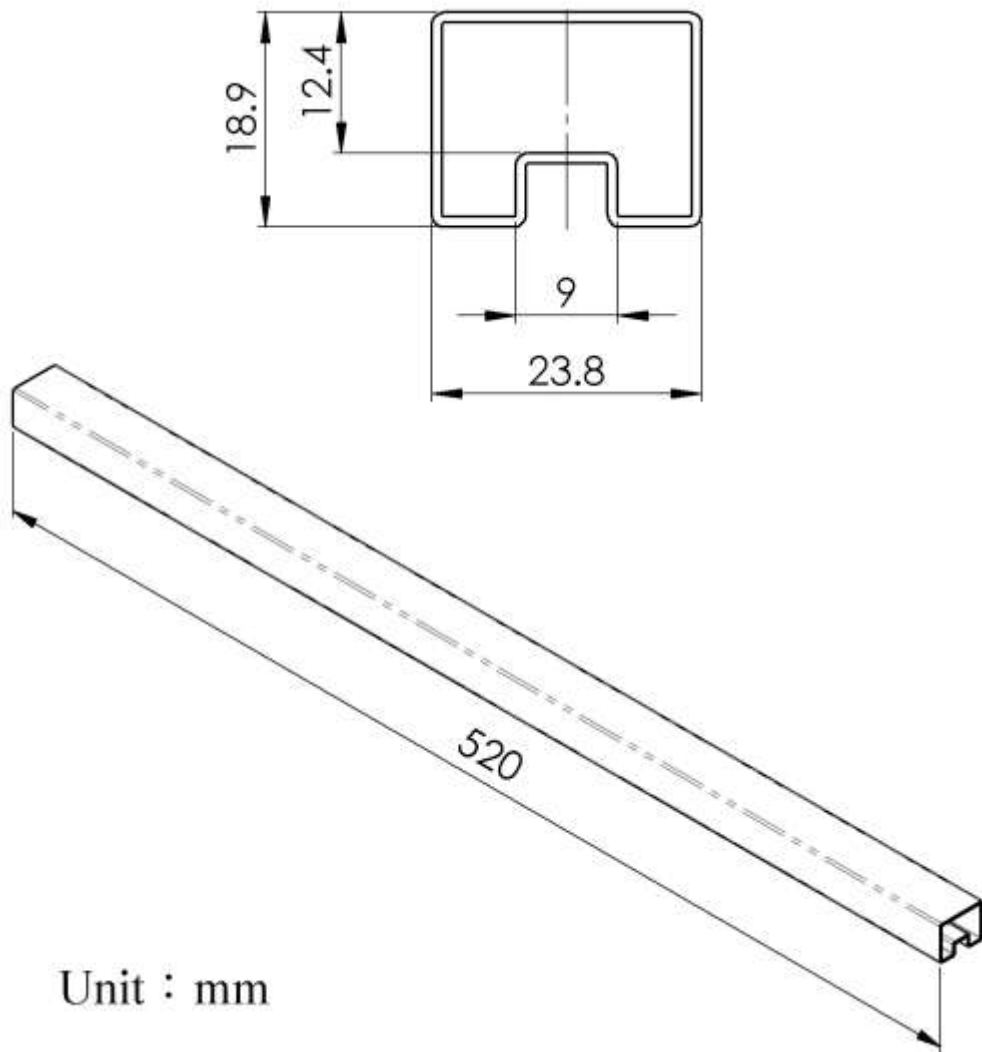


UNIT : mm  
 tolerance unless otherwise specified : XX.X ±0.5, X.XX ±0.25

**PIN Assignment**

PIN	1	2	3	10	11	12
FUNCTION	-Vin	+Vin	Ctrl	+Vout	-Vout	NC

**Packing Formation**



Unit : mm

<b>Weight</b>	<b>: 13.5 grams/pcs</b>
<b>TUBE</b>	<b>: 15 pcs</b>