

FEATURES:

- 2 Watt SIP Package
- 2:1 Wide Input Voltages
- Efficiency to 83%
- 100% Burned In
- UL 94V-0 Package Material
- Custom Solutions Available
- Regulated Output Types
- UL Recognized



2 Watt DC-DC Converter
RD7D-24D15R3

Wide Input Voltage Range
2 Watt DC/DC Converter



Input Specifications

Input Voltage:	24Vdc
Input Voltage Range:	18-36Vdc

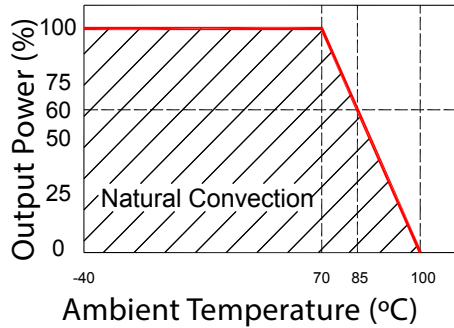
Output Specifications

Output Voltage:	±15Vdc	
Output Voltage Accuracy:	±3%	@Vout=±14.55-±15.45Vdc@Vin=18-36Vdc
Output Current:	±66mA	
Efficiency:	83% TYP	
Ripple / Noise:	100mVp-p MAX	@20MHz Band width
Short Circuit Protection:	Continuous	@Automatics Recovery
Line Regulation:	±0.5% MAX	@LL to HL at full Load
Load Regulation:	±0.8% MAX	@0% to 100% FL

General Specifications

Operating Temperature Range:	-40°C ~ +85°C	
Storage Temperature:	-40°C ~ +100°C	
Switching Frequency:	200KHz TYP	
Humidity:	95% MAX	
Isolation Voltage:	3000Vdc	@Input to Output (60 sec/ 0.5mA)
Isolation Resistance:	1000MΩ MIN	@ 500Vdc
Cooling:	Free air convection	
MTBF:	>1,500,000 Hours	MIL-HDBK-217F@25°C, Ground Benign
Case Material:	DAP	
Weight:	4.5g TYP	

Temperature Derating Graph

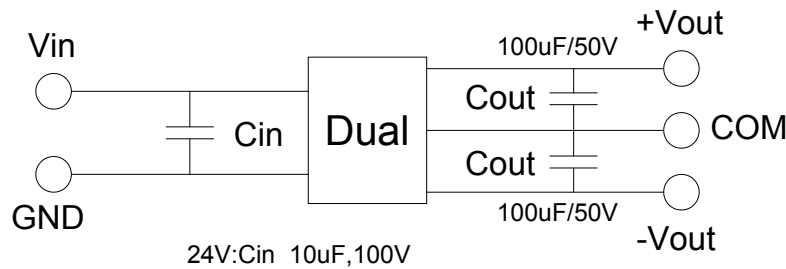


Part Number

$$\frac{RD7}{A} \frac{D}{B} - \frac{24}{C} \frac{D}{D} \frac{15}{E} \frac{R}{F} \frac{3}{G}$$

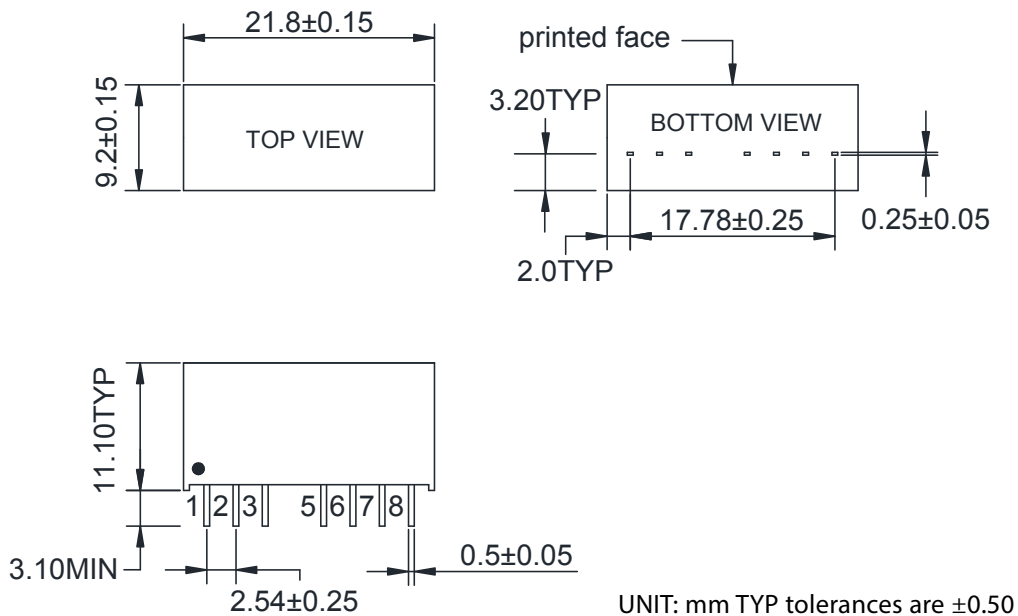
- A: Series
- B: Type (D)
- C: Input Voltage
- D: Dual Output (D)
- E: Output Voltage
- F: Regulated (R)
- G: Isolation Voltage

Recommended Test Circuit



To make sure the product works at perfect operation status, a full loading external capacitor is necessary and it is recommended to use a high frequency low resistance electrolytic capacitor.

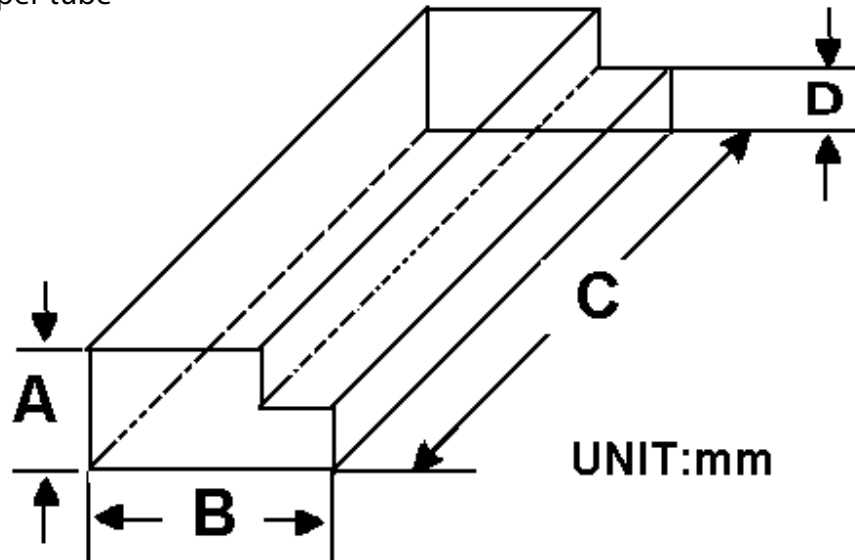
Outline Dimensions



Pin	1	2	3	5	6	7	8
Dual	-Vin	+Vin	NC	NC	+Vout	-Vout	COM

Packaging Information

Weight: 4.5 grams/pcs
 TUBE: 22 pcs
 Weight: 134.5g per tube



Size (mm)			
A	B	C	D
12.0	28.55	550	6.00

Outer carton unit: 1760pcs/80Tubes/box
 Weight: 11.8 kg per carton

