

FEATURES:

- 30 Watt DIL Package
- 4:1 Wide Input Voltages
- Efficiency to 89%
- PI Input Filter
- 100% Burned In
- UL 94V-0 Package Material
- Custom Solutions Available
- Regulated Output Types
- UL Recognized
- RoHS Compliant

ADAM TECH

30 Watt DC-DC Converter
RQ9P-48D12R

Wide Input Voltage Range
30 Watt DC/DC Converter



Input Specifications

Input Voltage:	48Vdc
Input Voltage Range:	18~75Vdc

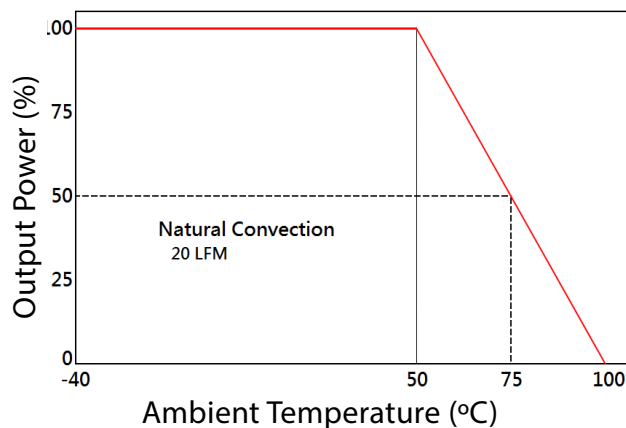
Output Specifications

Output Voltage:	±12Vdc	
Output Voltage Accuracy:	±2%	@±11.76~±12.24Vdc @Vin 18~75Vdc
Output Current:	±1250mA	
Efficiency:	89% TYP	@Vin= 48Vdc
Ripple / Noise:	100mVp-p MAX	@20MHz Band width , with 10uF*2 MLCC
Short Circuit Protection:	Continuous	@Hiccup,auto-recovery
Line Regulation:	±0.5% MAX	@LL to HL at full Load
Load Regulation:	±5.0% MAX	@25% to 100% Load

General Specifications

Operating Temperature Range:	-40°C ~ +75°C (with derating)	Output load derate 2% per degree Celsius above 50°C as refer to temperature derating graph.
Storage Temperature:	-55°C ~ +125°C	
Switching Frequency:	330KHz TYP	
Humidity:	95% MAX	
Isolation Voltage:	1500Vdc	
Isolation Resistance:	1000MΩ MIN	
Cooling:	Natural convection	@20LFM
MTBF:	>=1,200,000 Hours	MIL-HDBK-217F@25°C, Ground Benign
Case Material:	Six-side shielded case	
Weight:	22g TYP	

Temperature Derating Graph

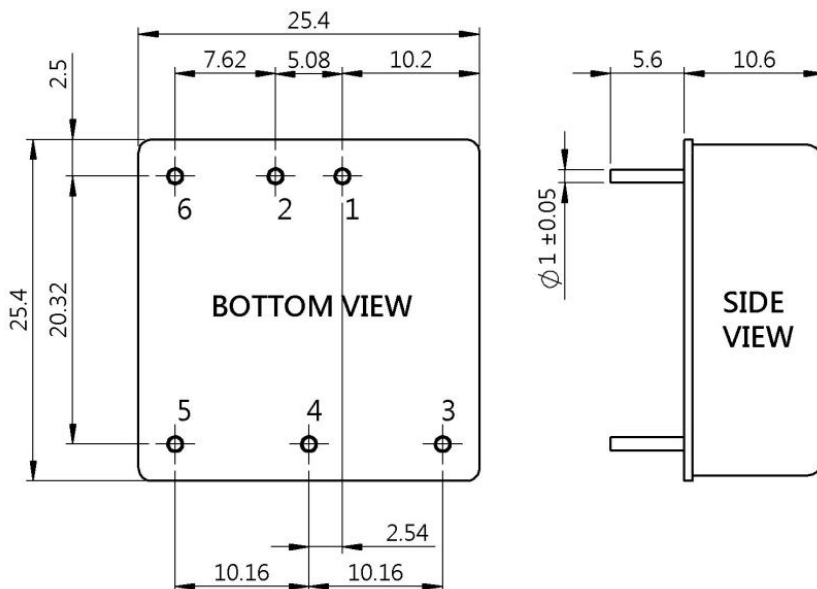


Part Number

RQ9 P - 48 D 12 R
A B C D E F

A: Series
B: Package (P)
C: Input Voltage
D: Dual Output (D)
E: Output Voltage
F: Regulated (R)

Outline Dimensions

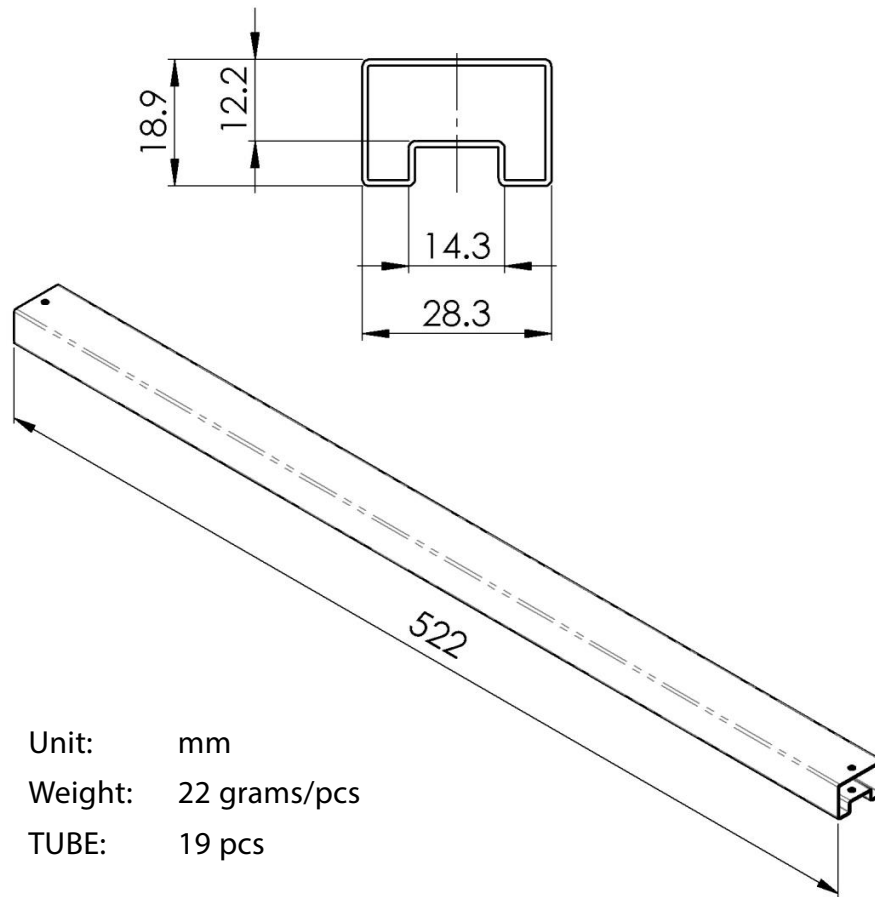


UNIT: mm

Tolerance : XX.X ±0.50, XX.XX ±0.25

Pin	1	2	3	4	5	6
Function	+Vin	-Vin	+Vout	Com	-Vout	NO PIN

Packaging Information



Unit: mm
Weight: 22 grams/pcs
TUBE: 19 pcs