

FEATURES :

- 15 Watt Package
- 4:1Wide Input Voltage
- 100% Burned In
- High Efficiency to 86%
- Customized Solutions Available
- Remote Control: On/Off
- UL94V-0 Package Material
- Operating Temperature:-40°C to +85°C
- 3 Years Warranty

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Input Voltage		Input Current (mA TYP)		Output Voltage	Output Current	Efficiency	Capacitor Load
	Vdc	No-Load	Full Load	Vdc	Full Load (mA)	%TYP	uF MAX	
67DW-24S03R3	9-36	60	663	3.3	4000	83	3300	
67DW-24S05R3	9-36	60	727	5	3000	86	3300	
67DW-24S12R3	9-36	40	727	12	1250	86	330	
67DW-24S15R3	9-36	20	727	15	1000	86	330	
67DW-24D05R3	9-36	70	754	±5	±1500	83	±2000	
67DW-24D12R3	9-36	40	726	±12	±625	86	±330	
67DW-24D15R3	9-36	40	726	±15	±500	86	±330	
67DW-48S03R3	18-75	30	331	3.3	4000	83	5600	
67DW-48S05R3	18-75	30	363	5	3000	86	5600	
67DW-48S12R3	18-75	30	363	12	1250	86	680	
67DW-48S15R3	18-75	30	363	15	1000	86	680	
67DW-48D05R3	18-75	30	377	±5	±1500	83	±3300	
67DW-48D12R3	18-75	30	363	±12	±625	86	±220	
67DW-48D15R3	18-75	30	363	±15	±500	86	±220	

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				4:1	
Filter	PI TYPE				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	Full load @Vin(nom.)			±2	%
Short Circuit Protection	Hiccup, automatic recovery				
Line Regulation				±0.5	%
Load Regulation	Single Dual (Balance Load)			±0.5 ±1.0	%
Cross Regulation	Dual (25% to 100% Load)			±5	%
Ripple & Noise	Output:3-15V TYPES BW=DC To 20MHz			100	mVp-p
	Output > 15V TYPES BW=DC To 20MHz			1% of Vout	mVp-p
Transient response setting time	25% load step change		300		us

YUAN DEAN SCIENTIFIC



DC-DC Converter

67DW-R3 SERIES

15Watt 1.5KV Isolated

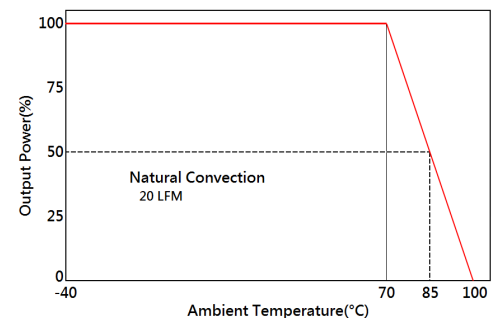
4 : 1 Input Voltage Range

Single & Dual Output

2" x 1"



Temperature Derating Graph



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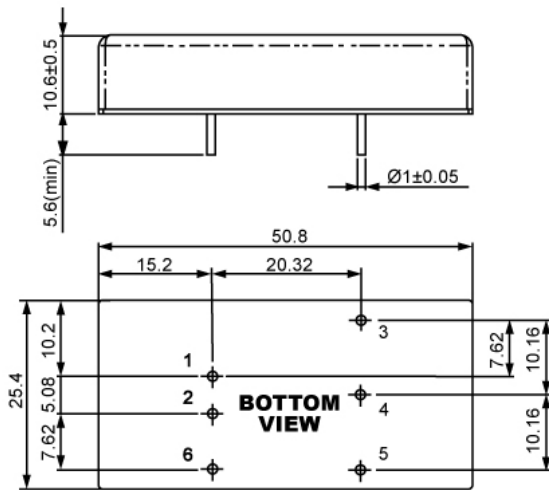
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Rev: 0 2018/10/31

General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Isolation Voltage			1500		Vdc
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency			300		KHz
Operating Temperature	With derating	-40		85	°C
Storage Temperature		-55		125	°C
Humidity	Non Condensing	5		95	%
Cooling	Natural Convection (20LFM)				
Case material	Nickel coated copper with no-conductive base				
MTBF	MIL-HDBK-217F @25°C	2.43x10 ⁶			Hours
Weight			32.6		g
Dimensions			50.8x25.4x10.6		mm

Dimensions



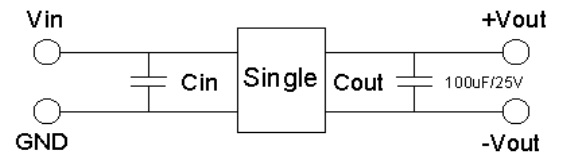
UNIT : mm
Tolerances : XX.X ±0.5, XX.XX±0.25

Part Number

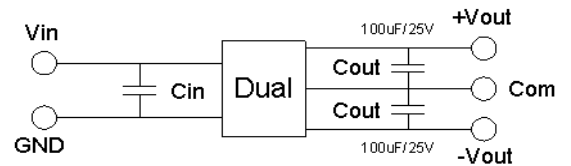
67DW - 24 S 03 R 3
A B C D E F

- A: Series
- B: Input Voltage
- C: Single Output(S), Dual (D)
- D: Output Voltage
- E: Regulated(R)
- F: Package

Recommended Test Circuit



24V&48V: Cin 10uF,100V



24V & 48V :Cin 10uF,100V

PIN Assignment

Pin	1	2	3	4	5	6
Single	+Vin	-Vin	+Vout	Trim	-Vout	Remote On/Off
Dual	+Vin	-Vin	+Vout	Com	-Vout	Remote On/Off