

FEATURES :

- 15 Watt Package
- 2:1Wide 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

YUAN DEAN SCIENTIFIC



DC-DC Converter

67D-R3 SERIES

15Watt 1.5KV Isolated

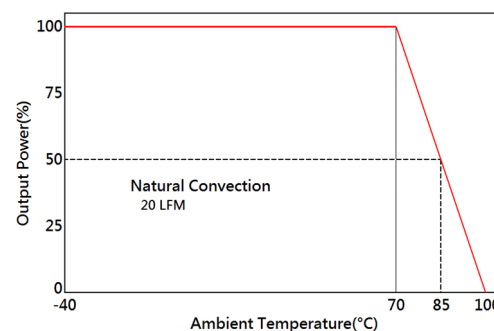
2 : 1 Input Voltage Range

Single & Dual Output

2" x 1"



Temperature Derating Graph



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Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				2:1	
Filter	PI TYPE				



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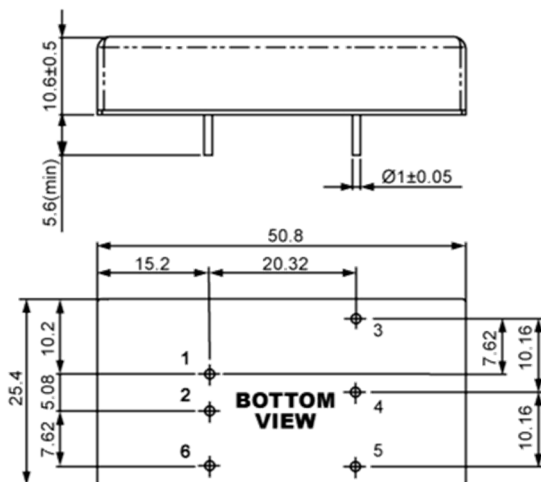
Output Specifications

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

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	2.318x10 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

67D - 12 S 03 R 3
A B C D E F

A: Series

B: Input Voltage

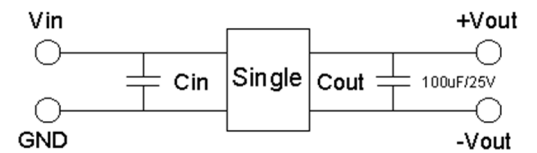
C: Single Output(S), Dual (D)

D: Output Voltage

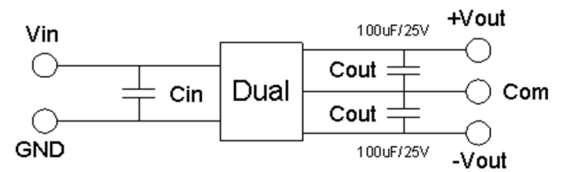
E: Regulated(R)

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