

**FEATURES :**

- 2:1Wide Input Voltage
- 3 Watt 5PIN DIL Package
- Efficiency To 85%
- 1500Vdc Isolation
- MTBF:>1,500,000 hrs
- Operating Temperature:-40°C TO +85°C

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

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency
	Vdc	Vdc	mA	%TYP
76D-05S05C	4.5-9	5	600	75
76D-05S12C	4.5-9	12	250	77
76D-05S15C	4.5-9	15	200	77
76D-12S05C	9-18	5	600	75
76D-12S12C	9-18	12	250	80
76D-12S15C	9-18	15	200	80
76D-12D05C	9-18	±5	±300	75
76D-12D12C	9-18	±12	±125	82
76D-12D15C	9-18	±15	±100	82
76D-24S05C	18-36	5	600	75
76D-24S12C	18-36	12	250	85
76D-24S15C	18-36	15	200	85
76D-24D05C	18-36	±5	±300	75
76D-24D12C	18-36	±12	±125	85
76D-24D15C	18-36	±15	±100	85
76D-48S05C	36-75	5	600	78
76D-48S12C	36-75	12	250	85
76D-48S15C	36-75	15	200	85
76D-48D05C	36-75	±5	±300	75
76D-48D12C	36-75	±12	±125	85
76D-48D15C	36-75	±15	±100	85

**Input Specifications**

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

YUAN DEAN SCIENTIFIC



DC-DC Converter

**76D-3W SERIES**

3Watt 1.5KV Isolated

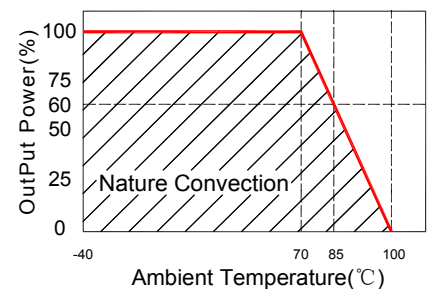
2 : 1 Input Voltage Range

Single & Dual Output

1" x 1"



**Temperature Derating Graph**



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**Output Specifications**

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±2	%
Short Circuit Protection	Continuous				
Line Regulation				±0.5	%
Load Regulation	Single (F.L To 10% Load)			±0.8	%
Load Regulation	Dual (F.L To 10% Load)			±1.0	%
Ripple & Noise	BW=DC To 20MHz			100	mVp-p
Transient response setting time	50% load step change		350		us

**General Specifications**

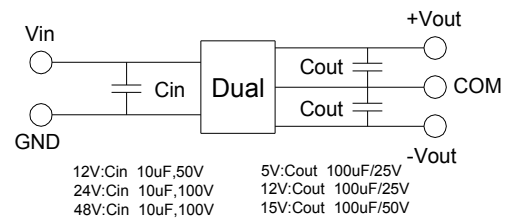
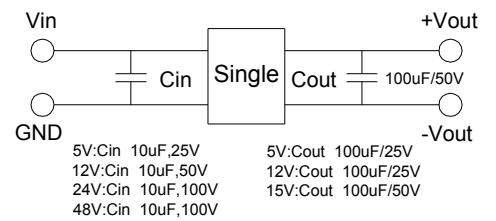
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency			200		KHz
Operating Temperature		-40		85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	Nickel Coated Copper With Non-Conductive Base				
Weight			15.0		g
Dimensions			25.4x25.4x10.6		mm

**Part Number**

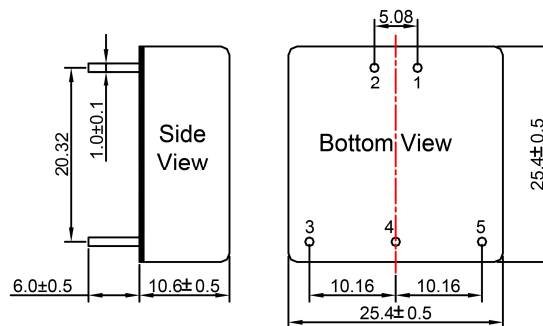
76D - 12 D 05 C  
A B C D E

A:Series  
B:Input Voltage  
C:Dual Output  
D:Output Voltage  
E:Types

**Recommended Test Circuit**



**Markings and dimensions**



UNIT : mm Unless otherwise specified, all tolerances are ±0.25

**PIN Connection**

Pin	1	2	3	4	5
Single	+Vin	-Vin	-Vout	No Pin	+Vout
Dual	+Vin	-Vin	-Vout	COM	+Vout

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