

**FEATURES :**

- 2:1 Wide Input Voltage
- 6 Watt 5PIN DIL Package
- Efficiency To 87%
- 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	Input Current		Efficiency
				NO LOAD	FULL LOAD	
	Vdc	Vdc	mA	mA	mA	%TYP
76D-12S05R6W	9-18	5	1200	7.5	625	80
76D-12S12R6W	9-18	12	500	7.5	625	80
76D-12S15R6W	9-18	15	400	7.5	625	80
76D-12D05R6W	9-18	±5	±600	12	625	80
76D-12D12R6W	9-18	±12	±250	12	600	83
76D-12D15R6W	9-18	±15	±200	12	600	83
76D-24S05C6W	18-36	5	1200	5	305	82
76D-24S12C6W	18-36	12	500	5	287	87
76D-24S15C6W	18-36	15	400	5	287	87
76D-24S24C6W	18-36	24	250	5	287	87
76D-24D05C6W	18-36	±5	±600	7.5	310	80
76D-24D12C6W	18-36	±12	±250	7.5	295	85
76D-24D15C6W	18-36	±15	±200	7.5	295	85
76D-48S05C6W	36-75	5	1200	2	155	80
76D-48S12C6W	36-75	12	500	2	145	85
76D-48S15C6W	36-75	15	400	2	145	85
76D-48S24C6W	36-75	24	250	2	145	85
76D-48D05C6W	36-75	±5	±600	3	155	80
76D-48D12C6W	36-75	±12	±250	3	145	85

**Input Specifications**

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

YUAN DEAN SCIENTIFIC



DC-DC Converter

**76D-6W SERIES**

6Watt 1.5KV Isolated

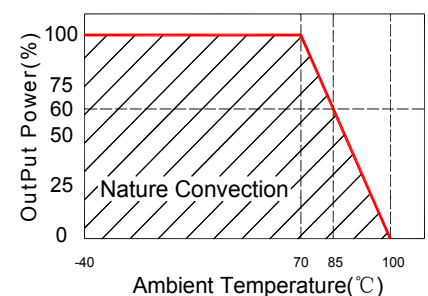
2 : 1 Input Voltage Range

Single & Dual Output

1" x 1"



**Temperature Derating Graph**



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Rev:2 2018/10/01

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

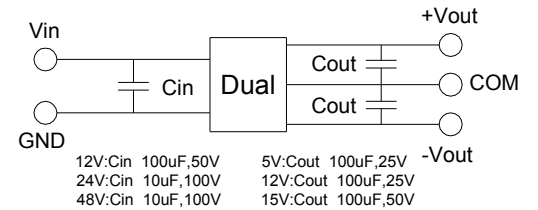
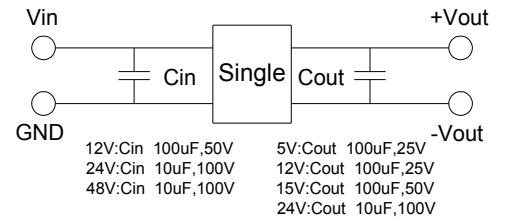
General Specifications

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

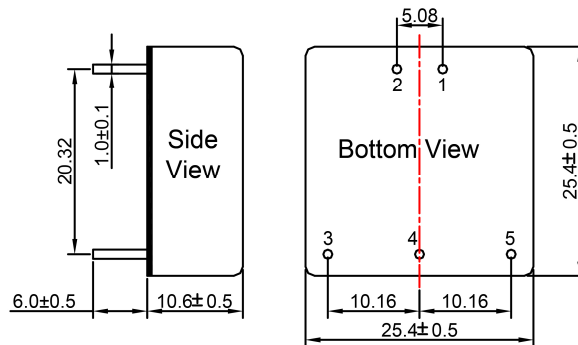
Part Number

76D - 12 S 05 R/C 6W  
 A B C D E F  
 A:Series  
 B:Input Voltage  
 C:Single Output  
 D:Output Voltage  
 E:Regulated(R/C)  
 F:Output Power

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