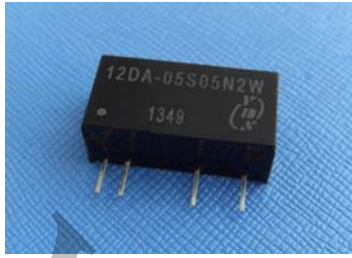


Yuan Dean Scientific CO.,LTD 12DA-2W SERIES

3000Vdc Isolation Single & Dual Output 2 Watt Dc-Dc Converter



FEATURES:

- 7PIN SIP Package
- High Efficiency up to 88%
- Unregulated Output Types
- Internal SMD Construction
- Industry Standard Pinout
- 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	Output Voltage	Output Current	Ripple & Noise		Efficiency
	Vdc	mA	Typ(mVp-p)	Max(mVp-p)	%Typ
12DA-05S05N2W	5	400	40	60	82
12DA-05S09N2W	9	222	40	60	86
12DA-05S12N2W	12	167	50	80	87
12DA-05S15N2W	15	133	50	80	86
12DA-12S05N2W	5	400	40	60	83
12DA-12S09N2W	9	222	40	60	87
12DA-12S12N2W	12	167	50	80	88
12DA-12S15N2W	15	133	50	80	87
12DA-15S05N2W	5	400	40	60	84
12DA-15S09N2W	9	222	40	60	86
12DA-15S12N2W	12	167	50	80	87
12DA-15S15N2W	15	133	50	80	88
12DA-24S05N2W	5	400	40	60	84
12DA-24S09N2W	9	222	40	60	87
12DA-24S12N2W	12	167	50	80	87
12DA-24S15N2W	15	133	50	80	88
12DA-05D05N2W	±5	±200	40	60	82
12DA-05D09N2W	±9	±111	40	60	85
12DA-05D12N2W	±12	±84	50	80	86
12DA-05D15N2W	±15	±67	50	80	86
12DA-12D05N2W	±5	±200	40	60	84
12DA-12D09N2W	±9	±111	40	60	87
12DA-12D12N2W	±12	±84	50	80	87
12DA-12D15N2W	±15	±67	50	80	87
12DA-15D05N2W	±5	±200	40	60	84
12DA-15D09N2W	±9	±111	40	60	86
12DA-15D12N2W	±12	±84	50	80	88
12DA-15D15N2W	±15	±67	50	80	88
12DA-24D05N2W	±5	±200	40	60	85
12DA-24D09N2W	±9	±111	40	60	87
12DA-24D12N2W	±12	±84	50	80	88
12DA-24D15N2W	±15	±67	50	80	88

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	Vo, Io Nom			±10	%
Filter	Capacitor				

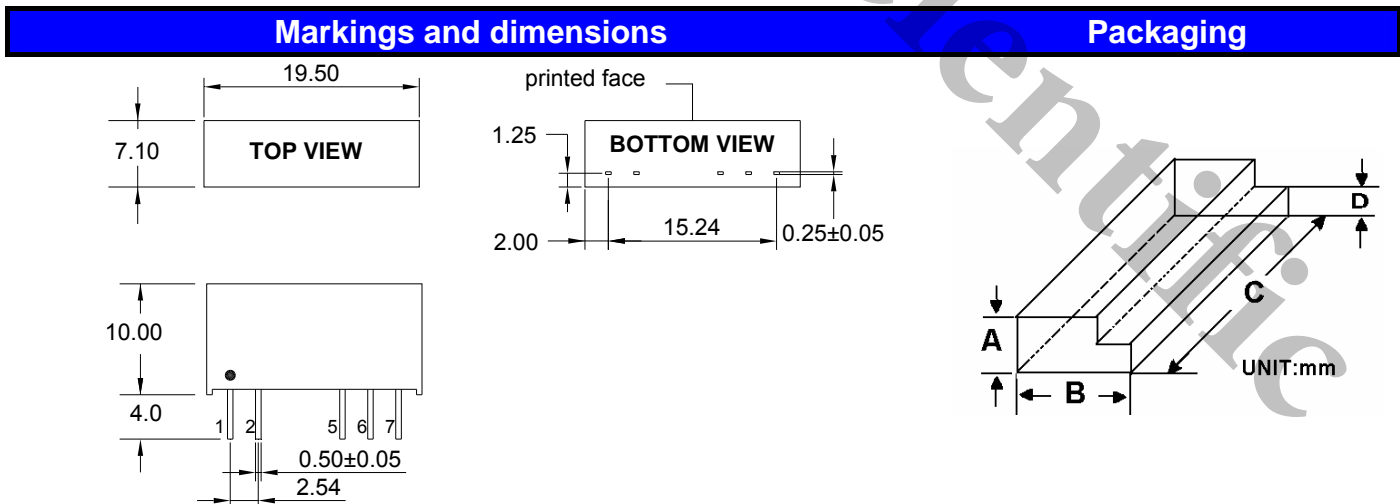
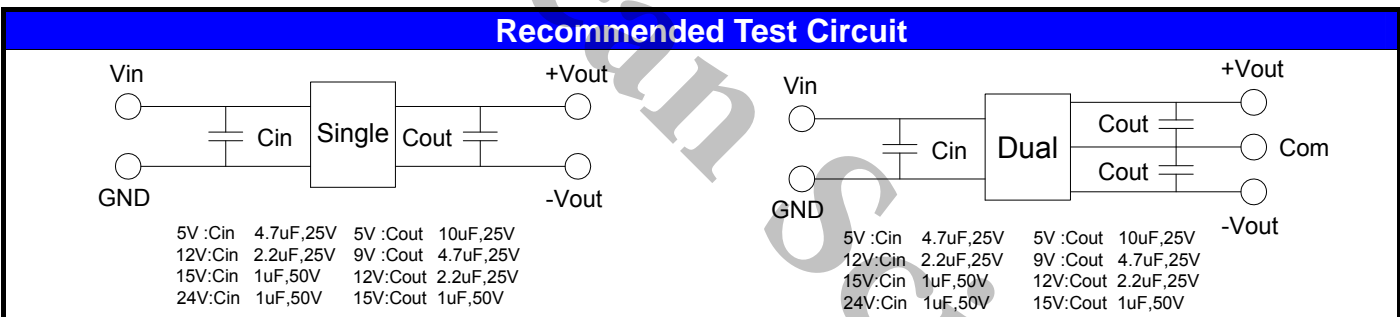
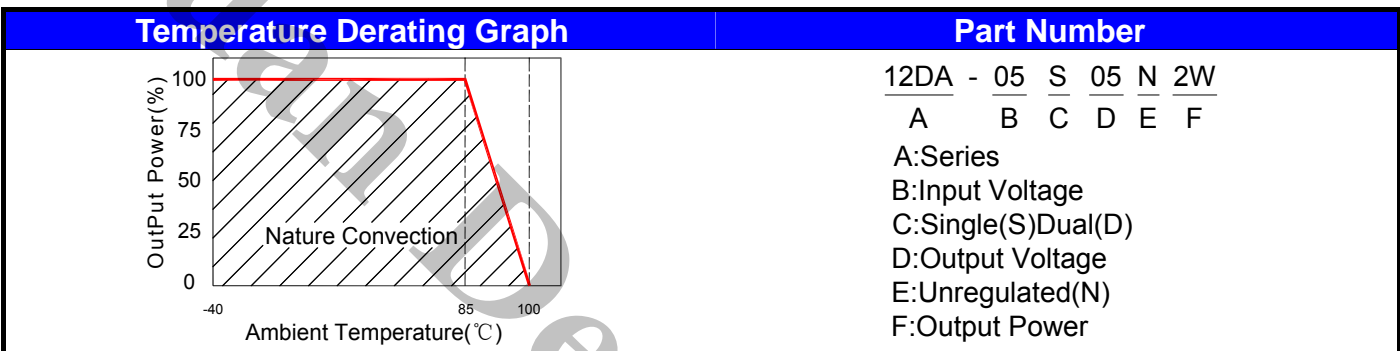
Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	100% full load			±5	%
Short Circuit Protection	Short Term			1 Sec	
Line Regulation	For 1.0% OF Vin		1.2		%
Load Regulation	5V,9V (10% To 100% F.L)			10	%
Load Regulation	12V,15V (10% To 100% F.L)			7	%
Load Regulation	±5V, ±9V (10% To 100% F.L)			9	%
Load Regulation	±12V, ±15V (10% To 100% F.L)			6	%

Yuan Dean Scientific CO.,LTD 12DA-2W SERIES

3000Vdc Isolation Single & Dual Output 2 Watt Dc-Dc Converter

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency	Full load,nominal input		100		KHz
Operation Temperature		-40		+85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
MTBF	MIL-HDBK-217F@25°C	3500000			Hours
Weight			2.7		g
Dimensions			19.5x7.1x10.0		mm



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

PIN Connection					
PIN	1	2	5	6	7
Single	+Vin	-Vin	-Vout	No Pin	+Vout
Dual	+Vin	-Vin	-Vout	Com	+Vout

Size(mm)			
A	B	C	D
9.5	16.5	522	5.0