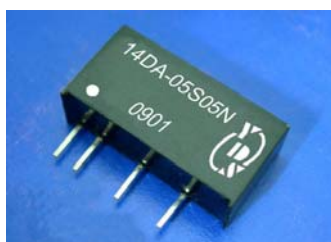




1000Vdc Isolation Single Output 1 Watt Dc-Dc Converter



FEATURES:

- 7PIN SIP Package
- High Efficiency up to 89%
- Unregulated Output Types
- Internal SMD Construction
- No External Component Required
- 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	Input Voltage	Output Voltage	Output Current	Efficiency	Package Style
	Vdc	Vdc	mA	%TYP	
14DA-05S05N	5	5	200	84	1
14DA-05S09N	5	9	112	87	1
14DA-05S12N	5	12	84	87	1
14DA-05S15N	5	15	67	87.5	1
14DA-12S05N	12	5	200	84	1
14DA-12S09N	12	9	112	86.5	1
14DA-12S12N	12	12	84	88.5	1
14DA-12S15N	12	15	67	88	1
14DA-15S05N	15	5	200	83.5	1
14DA-15S09N	15	9	112	86.5	1
14DA-15S12N	15	12	84	87.5	1
14DA-15S15N	15	15	67	89	1
14DA-24S05N	24	5	200	84	1
14DA-24S09N	24	9	112	86.5	1
14DA-24S12N	24	12	84	87.5	1
14DA-24S15N	24	15	67	87.5	1
14DA-48S05N2	48	5	200	79.5	2
14DA-48S09N2	48	9	112	83	2
14DA-48S12N2	48	12	84	82.5	2
14DA-48S15N2	48	15	67	83	2

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	Short Term			1 Sec	
Line Regulation	For 1.0% OF Vin		±1.2		%
Load Regulation	5V(10% To 100% F.L.)			±8	%
Load Regulation	9V,12V,15V(10% To 100% F.L.)			±5	%
Ripple & Noise	BW=DC To 20MHz			50	mVp-p
Transient response setting time	50% load step change		350		us

General Specifications

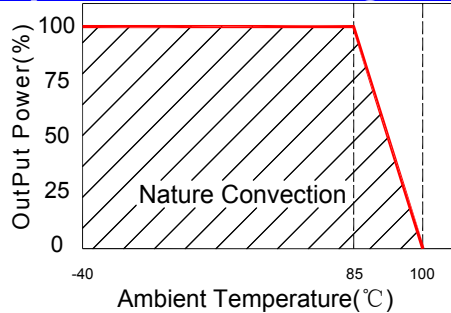
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency	Full load,nominal input(5V/24V/48V)		60/80/50		KHz
Switching Frequency	Full load,nominal input(12V,15V,)		75		KHz
Operating		-40		+85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
MTBF	MIL-HDBK-217F@25°C	3500000			Hours
Weight	Package1 or Package2		2.1 or 2.7		g
Dimensions	Package 1		19.5x6.0x10.0		mm
Dimensions	Package 2		19.5x7.1x10.0		mm



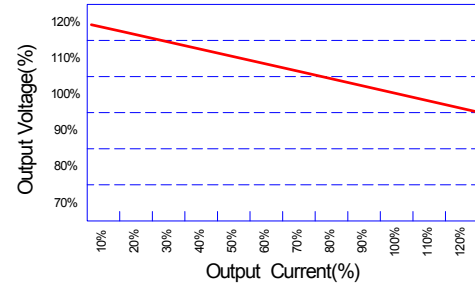
Yuan Dean Scientific CO.,LTD 14DA-Single SERIES

1000Vdc Isolation Single Output 1 Watt Dc-Dc Converter

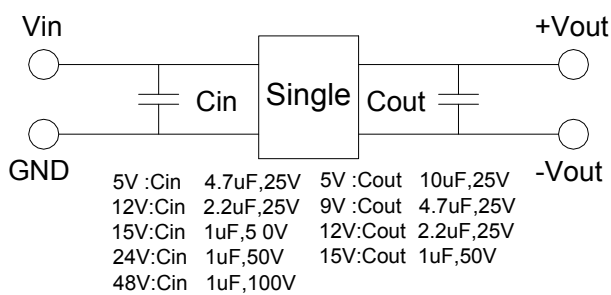
Temperature Derating Graph



Tolerance Envelope Graph



Recommended Test Circuit

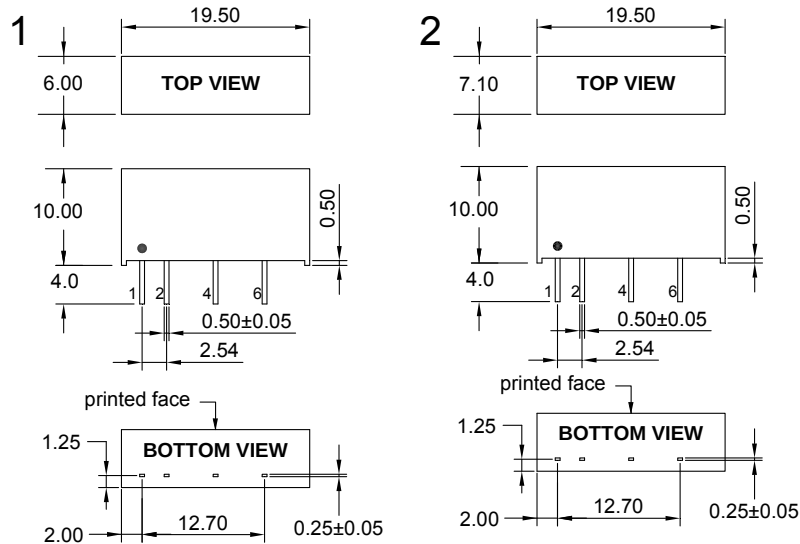


Part Number

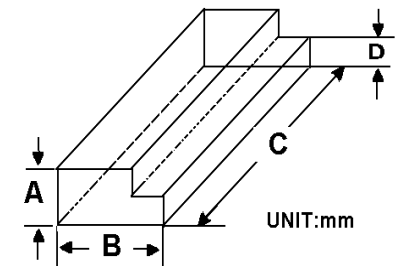
14DA - 05 S 05 N
 A B C D E

A:Series
 B:Input Voltage
 C:Single(S)
 D:Output Voltage
 E:Unregulated(N)

Markings and Dimensions



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



Size(mm)			
A	B	C	D
9.50	16.50	522	5.00

PIN Connection

Pin	1	2	4	6
Single	+Vin	-Vin	-Vout	+Vout