



Size (Single Output): 0.45in x 0.24in x 0.39in Size (Dual Output): 0.50in x 0.50in x 0.37in

OPTIONS

Input Voltage

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- Output Voltage
- Single or Dual
- Output
- 3000VDC I/O
 Isolation
- Operating Temperature Range

FEATURES

- 100% Burned-in
- RoHS Compliant
- 1000VDC I/O Isolation
- Miniature Package Size
- Single and Dual Outputs
- 4 PIN SIP and 8 PIN DIL Package
 Unregulated Output Types
- Up to 1 Watt Output Power
- Custom Solutions Available
- UL 94V-0 Package Material
- Input 5, 12, 15, 24, and 48VDC
- 3000VDC I/O Isolation Option ("H" suffix)
- Recognized by UL60950-1
- Short Circuit Protection

DESCRIPTION

When high isolation is required and board space is at a premium, the LAN H series offers a superior solution at an economical price. The LAN H series is non-regulated and is housed in an industry-standard four pin SIP package or eight pin DIL package. This series also has 3000VDC I/O isolation (suffix "H") and -40°C to +85°C operating temperature (suffix "I") options available.

Model Number	Input Voltage Range	Output Voltage	DEL SELECTION Output Current	Ripple & Noise	Output Power	Efficiency	
ANH503Nx	input voltage itange	3.3VDC	303mA			70%	
ANH505NX	-	5VDC	200mA	-		70%	
ANH509Nx	5VDC (4.5-5.5VDC)	9VDC	110mA	100mVp-p		75%	
ANH512Nx		12VDC	84mA		1W	78%	
ANH515Nx		15VDC	67mA			80%	
ANH505NDx		±5VDC	±100mA			82%	
ANH509NDX		±9VDC	±56mA			75%	
ANH512NDx		±12VDC	±42mA			75%	
ANH524NDx	-	±24VDC	±34mA			70%	
ANH1205Nx		5 VDC	200mA	100mVp-p		70%	
ANH1209Nx	-	9 VDC	110mA			70%	
ANH1212Nx		12 VDC	84mA			75%	
ANH1215Nx		15 VDC	67mA			78%	
ANH1203NDx	12VDC	±3.3 VDC	±154mA		1W	80%	
ANH1205NDx	(10.8-13.2VDC)	±5 VDC	±100mA			82%	
ANH1209NDx		±9 VDC	±56mA			75%	
ANH1212NDx	-	±12 VDC	±42mA			75%	
ANH1224NDx		±24 VDC	±34mA	_		70%	
ANH1505Nx	15VDC (13.5-16.5VDC)	5 VDC	200mA	100mVp-p		70%	
ANH1509Nx		9 VDC	110mA		1W	70%	
ANH1512Nx		12 VDC	84mA			75%	
ANH1515Nx		15 VDC	67mA			78%	
ANH1503NDx		±3.3 VDC	±154mA			80%	
ANH1505NDx		±5 VDC	±100mA			82%	
ANH1509NDx		±9 VDC	±56mA			75%	
ANH1512NDx		±12 VDC	±42mA			75%	
ANH1524ND <mark>x</mark>		±24 VDC	±34mA			70%	
ANH2405Nx		5 VDC	200mA			70%	
ANH2409Nx	-	9 VDC	110mA		1W	70%	
ANH2412Nx		12 VDC	84mA	-		75%	
ANH2415Nx	0.0/00	15 VDC	67mA			78%	
ANH2403NDx	24VDC	±3.3 VDC	±154mA	100mVp-p		80%	
ANH2405NDx	(21.6-26.4VDC)	±5 VDC	±100mA			82%	
ANH2409NDx		±9 VDC	±56mA			75%	
ANH2412NDx		±12 VDC	±42mA			75%	
ANH2424NDx	-	±24 VDC	±34mA			70%	
ANH4805Nx		5 VDC	200mA	_		70%	
ANH4809Nx	-	9 VDC	110mA			70%	
ANH4812Nx	-	12 VDC	84mA			75%	
ANH4815Nx	48VDC	15 VDC	67mA			78%	
ANH4805NDx	(43.2-52.8VDC)	±5 VDC	±100mA	100mVp-p	1W	75%	
_ANH4809NDX	(±9 VDC	±56mA				75%
_ANH4812NDx		±12 VDC	±42mA		-	75%	
_ANH4824NDx	-	±24 VDC	±34mA	-		75%	

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SPECIFICATIONS								
All specifications	are based on 25°C, Nominal	Input Voltage, and Maximum Output Co	urrent unless of	therwise no	oted.			
SPECIFICATION		ge specifications based on technologica ST CONDITIONS	al advances. Min	Тур	Max	Unit		
INPUT SPECIFICATIONS								
	5VDC nominal input voltage	ae	4.5	5	5.5	5		
	12VDC nominal input volta	10.8	12	13.2	VDC			
Input Voltage Range	15VDC nominal input voltage		13.5	15		16.5		
	24VDC nominal input voltage		21.6	24		26.4		
	48VDC nominal input volta	43.2	48	52.8				
Voltage Tolerance		2		±10		%		
Input Filter				Ca	pacitor			
OUTPUT SPECIFICATIONS								
Output Voltage				See	e Table			
Voltage Tolerance	100% Full Load				±5	%		
Line Regulation	For 1% of Vin			1.2		%		
Load Regulation	10% to 100% Load	3.3V, 5V outputs			15	%		
-	10 % 10 100 % 2020	9V, 12V, and 15V outputs			10			
Output Power					1	W		
Output Current				See	e Table			
Ripple & Noise (20MHz bandwidth)					100	mVp-p		
Transient Response Settling Time	50% load step change			350		μs		
PROTECTION				1				
Short Circuit Protection	Short term				1	Second		
ENVIRONMENTAL SPECIFICATION				1		1		
Operating Case Temperature	Standard		-25		+70	°C		
	"I" Suffix ⁽¹⁾		-40		+85			
Storage Temperature	New Original and in a				+100	<u>⁰C</u>		
Humidity	Non-Condensing	Non-Condensing		E	95	%		
Cooling MTBF	MIL-HDBK-217F @25°C		2 500 000		Convect			
GENERAL SPECIFICATIONS	MIL-HDBK-217F @25°C		3,500,000			Hours		
Efficiency	@Full Load			So	Tabla			
Switching Frequency	Full load, nominal input		See Table					
• • •	Standard			1000		VDC		
Isolation Voltage (Input to Output)	"H" Suffix ⁽²⁾		3000		(2sec/0.5mA)			
Isolation Resistance	@500VDC	1000	0000		ΜΩ			
PHYSICAL SPECIFICATIONS	3000120		1000					
Weight				0.0507	(1.5g) ty	D.		
·····		0.45in x 0.24in x 0.39in						
	Single Outputs			(11.43mm x 6.1mm x 9.91mm)				
Dimensions (L x W x H)	Dual Outputs	0.50in x 0.50in x 0.37in						
		(12.7mm x 12.7mm x 9.40mm)						
Case Material					DAP			
SAFETY & EMC CHARACTERISTIC	S							
Safety Approvals		Recognized by UL 6095	0-1					

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NOTES

1. For industrial grade operating temperature of -40°C to +85°C (no derating to +85°C) add suffix "I" to the model number.

For 3000VDC I/O isolation add the suffix "H" to the model number 2.

All case and pin-to-case dimensions reference only unless otherwise noted. 3.

The LAN H series is housed in an industry standard four pin SIP package for single output models and five pin DIP package for dual output 4. models.

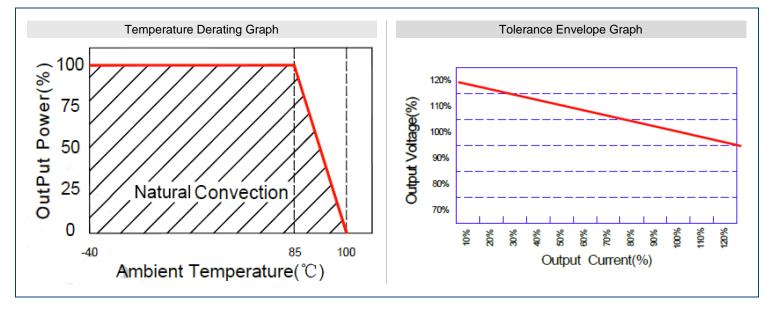
5.

Due to advances in technology, specifications subject to change without notice. "x" in model number indicates package type. Package can either be 4 PIN SIP or 8 PIN DIL package. 6.

*Due to advances in technology, specifications are subject to change without notice.

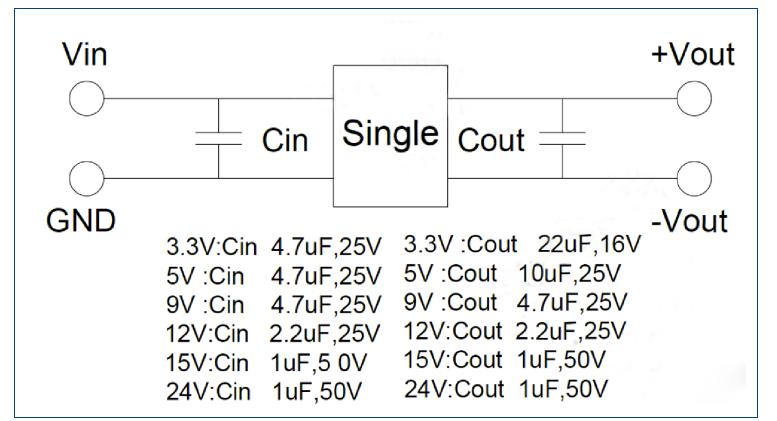


DERATING CURVES



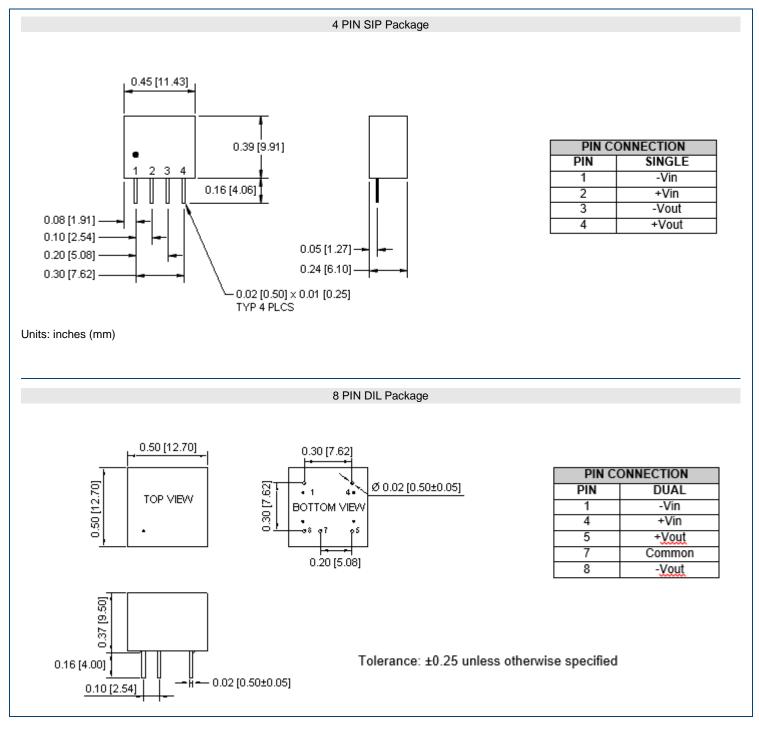
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RECOMMENDED TEST CIRCUIT-





MECHANICAL DRAWINGS







COMPANY INFORMATION -

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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