



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

Rev H

- 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 SELECTION TABLE									
Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Power	Efficiency			
ANH503N <mark>x</mark>		3.3VDC	303mA			70%			
ANH505N <mark>x</mark>		5VDC	200mA		1₩	70%			
ANH509N <mark>x</mark>		9VDC	110mA			75%			
ANH512N <mark>x</mark>	5VDC	12VDC	84mA			78%			
ANH515Nx	(4.5-5.5VDC)	15VDC	67mA	100mVp-p		80%			
_ANH505ND <mark>x</mark>	(4.5-5.5VDC)	±5VDC	±100mA			82%			
ANH509ND <mark>x</mark>		±9VDC	±56mA			75%			
ANH512ND <mark>x</mark>		±12VDC	±42mA			75%			
ANH524ND <mark>x</mark>		±24VDC	±34mA			70%			
ANH1205N <mark>x</mark>		5 VDC	200mA		1W	70%			
ANH1209Nx	12VDC (10.8-13.2VDC)	9 VDC	110mA	-		70%			
ANH1212N <mark>x</mark>		12 VDC	84mA			75%			
ANH1215N <mark>x</mark>		15 VDC	67mA			78%			
ANH1203ND <mark>x</mark>		±3.3 VDC	±154mA	100mVp-p		80%			
ANH1205ND <mark>x</mark>		±5 VDC	±100mA			82%			
ANH1209ND <mark>x</mark>		±9 VDC	±56mA			75%			
ANH1212NDx		±12 VDC	±42mA			75%			
ANH1224ND <mark>x</mark>		±24 VDC	±34mA			70%			
ANH1505Nx	15VDC (13.5-16.5VDC)	5 VDC	200mA	100mVp-р	1W	70%			
ANH1509Nx		9 VDC	110mA			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%			
ANH1524NDX	-	±24 VDC	±34mA			70%			
ANH2405Nx		5 VDC	200mA	100mVp-p	1W	70%			
ANH2409Nx	=	9 VDC	110mA			70%			
ANH2412Nx		12 VDC	84mA			75%			
ANH2415Nx		15 VDC	67mA			78%			
ANH2403NDX	24VDC (21.6-26.4VDC)	±3.3 VDC	±154mA			80%			
ANH2405NDX		±5 VDC	±104mA			82%			
ANH2409NDX		±9 VDC	±56mA			75%			
ANH2412NDX		±12 VDC	±42mA			75%			
ANH2424NDX		±12 VDC ±24 VDC	±34mA			70%			
ANH4805Nx		5 VDC	200mA			70%			
ANH4809NX	-	9 VDC	200mA 110mA	_		70%			
ANH4809NX ANH4812NX		9 VDC 12 VDC	84mA			70%			
-	401/00	12 VDC 15 VDC	67mA	-		75%			
	48VDC (43.2-52.8VDC)			100mVp-p	1W -				
	(43.Z-5Z.8VDC)	±5 VDC	±100mA	-					
ANH4809NDX		±9 VDC	±56mA			75%			
ANH4812NDX	-	±12 VDC	±42mA	_		75%			
LANH4824ND <mark>x</mark>		±24 VDC	±34mA			75%			



SPECIFICATIONS										
All specifications	are based on 25°C, Nominal	I Input Voltage, and Maximum Output Co	urrent unless ot	herwise no	oted.					
	We reserve the right to char	nge specifications based on technologica	al advances.							
SPECIFICATION	TE	EST CONDITIONS	Min	Тур	Max	Unit				
INPUT SPECIFICATIONS			i i i i i i i i i i i i i i i i i i i							
	5VDC nominal input volta	ge	4.5	5	5.5					
	12VDC nominal input volt	10.8	12	13.2						
Input Voltage Range	15VDC nominal input volt	13.5	15	16.5	VDC					
	24VDC nominal input volt	21.6	24	26.4						
	48VDC nominal input volt	43.2	48	52.8						
Voltage Tolerance				±10		%				
Input Filter		Capacitor								
OUTPUT SPECIFICATIONS										
Output Voltage			See Table							
Voltage Tolerance	100% Full Load	100% Full Load			±5	%				
Line Regulation	For 1% of Vin			1.2		%				
Load Regulation	10% to 100% Load	3.3V, 5V outputs			15	%				
		9V, 12V, and 15V outputs			10					
Output Power					1	W				
	utput Current					See Table				
Ripple & Noise (20MHz bandwidth)	50% load step change				100	mVp-p				
Transient Response Settling Time			350		μs					
PROTECTION				1						
Short Circuit Protection	Short term				1	Second				
ENVIRONMENTAL SPECIFICATION						1				
Operating Case Temperature	Standard		-25		+70	°C				
1 0 1	"I" Suffix ⁽¹⁾	-40		+85	-					
Storage Temperature			-40		+100	°C				
Humidity	Non-Condensing	Free Air Convection								
Cooling			0 500 000	Free Air	Convect					
MTBF	MIL-HDBK-217F @25°C		3,500,000			Hours				
GENERAL SPECIFICATIONS					Tabla					
Efficiency	@Full Load		100	e Table						
Switching Frequency	Full load, nominal input Standard			100		KHz VDC				
Isolation Voltage (Input to Output)	"H" Suffix ⁽²⁾			3000		(2sec/0.5mA)				
Isolation Resistance	@500VDC	1000	3000		_ (2sec/0.5mA) MΩ					
PHYSICAL SPECIFICATIONS			1000			IVIL2				
Weight				0.0507	(1.5c) ty	n				
VV CIGI IL	Single Outputs			0.05oz (1.5g) typ. 0.45in x 0.24in x 0.39in						
				(11.43mm x 6.1mm x 9.91mm)						
Dimensions (L x W x H)		0.50in x 0.50in x 0.37in								
	Dual Outputs	(12.7mm x 12.7mm x 9.40mm)								
Case Material			(DAP	,				
SAFETY & EMC CHARACTERISTIC	S									
Safety Approvals		Recognized by UL 60950-	·1 ⁽⁷⁾							
2 11	1	5 ,	1							

Rev H

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.

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

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

4. 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 models.

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

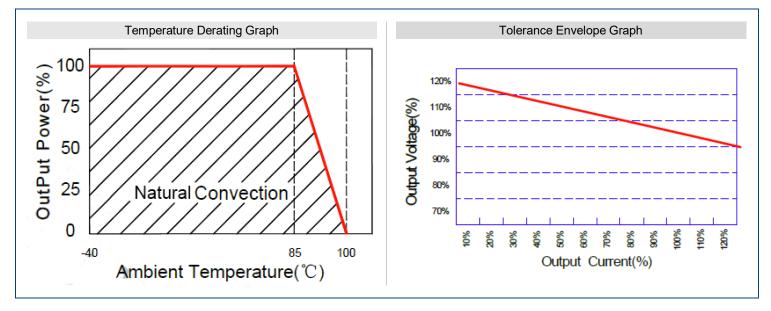
6. "x" in model number indicates package type. Package can either be 4 PIN SIP or 8 PIN DIL package.

7. This product is Listed to applicable standards and requirements by UL.

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

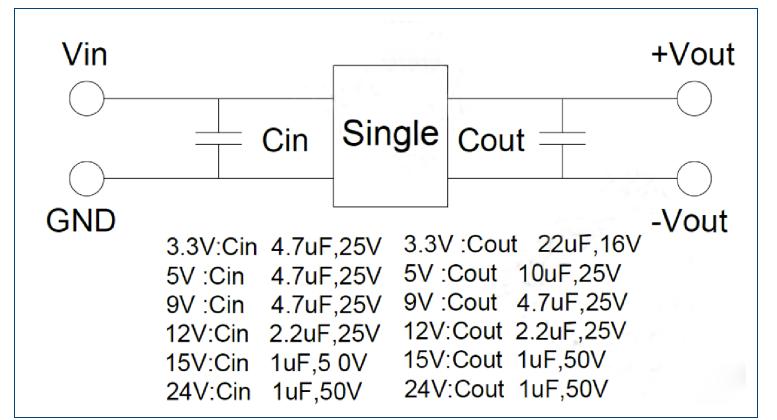


DERATING CURVES



Rev H

RECOMMENDED TEST CIRCUIT-

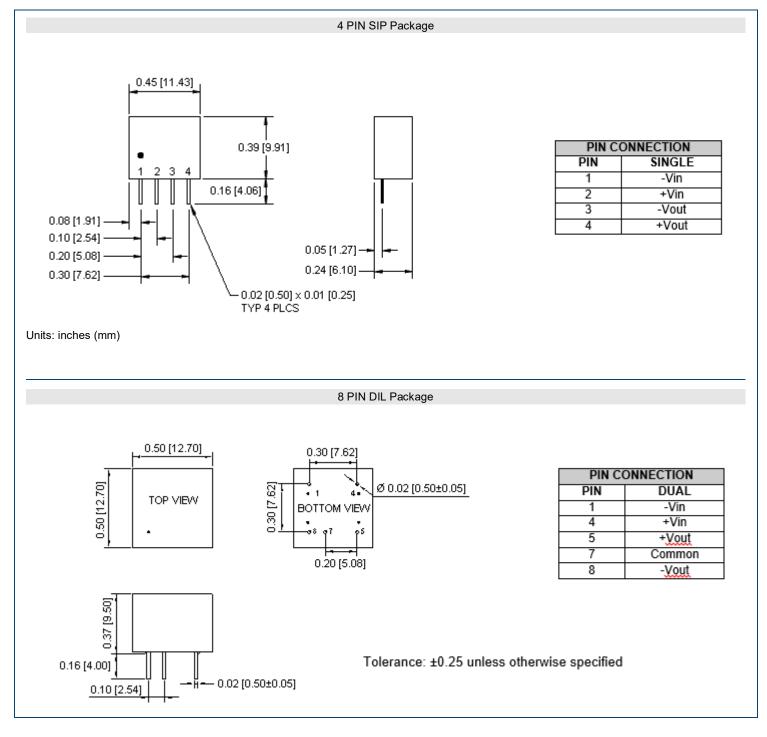




LAN H SERIES

1 Watt

MECHANICAL DRAWINGS



Rev H





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: 2015 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.

Contact Wall Industries for further information:

2 (603)778-2300
(888) 597-9255
(603) 778-9797
sales@wallindustries.com
www.wallindustries.com
37 Industrial Drive
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.