



One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

IHLP® Inductor Loss Calculator Tool User Guide

VISHAY Build Vishay into your Design

NEW SEARCH

English • 日本語 • 简体中文

PRODUCTS APPLICATIONS COMPANY INFO QUALITY AND ENVIRONMENTAL

Products > Inductors > IHLP inductor loss calculator tool landing page > IHLP inductor loss calculator tool

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type
Boost

Choose Available Series
IHLP-1616AB-01

Select Inductance:
 0.047 μ H
 0.10 μ H
 0.22 μ H
 0.47 μ H
 1 μ H

IHL-1616AB-01-1 Boost μ H Ind. Loss Calculator			
Inputs:		Outputs:	
Frequency =	800000 Hz	ET _{tot} =	0.76 V- μ sec
Output Current =	2 Amps	F(eff) =	526349.5 Hertz
Ambient Temp =	25 °C	Res =	0.051936 Ohms
Volts In =	1.5 Volts	I _{max} =	3.77 Amps
Volts Out =	2.5 Volts	I _{min} =	3.01 Amps
V _{SW} =	0.025 Volts	I _{ripple} =	0.76 Amps
V _D =	0.025 Volts	Duty =	0.41
I _{avg} =	3.4 Amps	P _{core} =	0.012 Watts
ET _{tot} =	0.27 V- μ sec	P _{cu} =	0.597 Watts
B _{ga} =	280.0 G	P _{ac} =	0.014 Watts
A =	0.175 Inch 4.13 mm	P _{tot} =	0.623 Watts
B =	0.160 Inch 4.13 mm	Temp. Coeff.	48.1 °C/W
C =	0.047 Inch 1.13 mm	Temp. rise	30.0 °C
		Comp. Temp	55.0 °C

Reference Cost: 0.9 Compared to IHL-2526CZ-01

Warning Messages

Inductor Current (One Cycle)

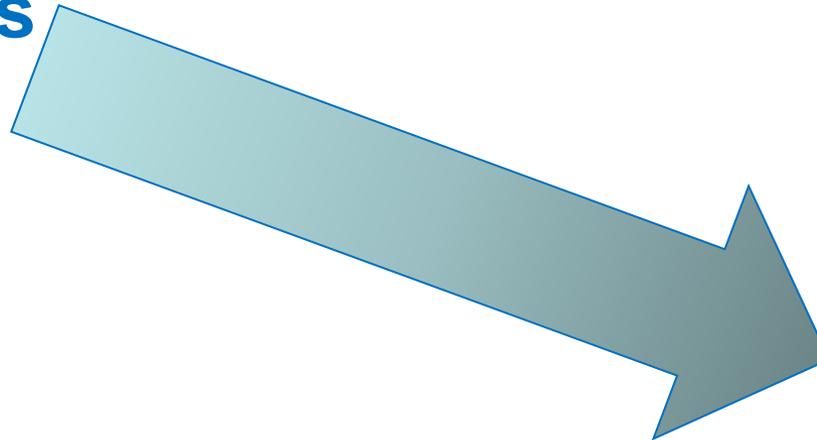
Notes May Be Added Here:

Build Vishay into your Design

How do I get to it?

If You're Already on
the Vishay Inductors
Page ...

If Not ...



VISHAY Build Vishay into your Design

NEW SEARCH Part Number/Keyword
English · 日本語 · 简体中文 Submit

PRODUCTS APPLICATIONS COMPANY INFO QUALITY AND ENVIRONMENTAL

Products » Inductors

INDUCTORS

New Parametric Search

With through-hole, SMD, and custom products available, Vishay offers the widest range of inductors in the industry. This product family includes the low-profile IHLP® power inductor family, ideal for compact, space-sensitive applications.

Surface Mount	Through-Hole	Applications
Power Inductors (102)	Axial Leaded Inductors (21)	Automotive (34)
High Frequency Inductors (9)	Filter Inductors (7)	Cellular (19)
Wirewound Inductors (12)	Power Inductors (4)	Computer (105)
Common Mode Chokes (3)	Radial Leaded Inductors (11)	Consumer (23)
Multilayer Ferrite Beads (7)	Toroidal Inductors (4)	Industrial (115)
Multilayer Ferrite Inductors (3)	Transformers (6)	Military (3)
Transformers (8)	Military Inductors (3)	Modem (10)
Custom Transformers (7)	Wireless Charging (2)	Power Supplies (107)
		Telecommunications (125)
		Wireless Charging (2)

CONTACT US
Sales, Technical Questions... Go

BUY NOW
Check Distributor Stock. Go

Enter Part Number

Latest Press Release

Related Information

Related Documents (40):

- Application Notes (5)
- Cross Reference (1)
- Custom Design (1)
- General Information (1)
- Instructions (2)
- Ordering Info (2)
- Packaging Information (1)
- Product Literature (13)
- Reference Data (3)
- Selector Guides (8)
- Technical Notes (3)

Inductors 101
Web Presentation
now online...

General information

- New IHLP® Loss Calculator
- Inductance and Tolerance Conversion Tables for Global Part Numbers
- SMD Magnetics Packaging Methods
- Leaded Magnetics Packaging Methods

Selector guides

- IHLP®
- Chip Inductors
- Ferrite Bead
- IHSM
- SMD and Axial Lead Inductors

IHLP® Design Calculator
Compute the losses for IHLP power inductors
click to begin computation

Products | Company | Press | Investors | Contacts | Acquired Manufacturers | Privacy & Legal | Site Map | Your Account

How do I get to it?

Start with Vishay's Webpage - WWW.Vishay.com

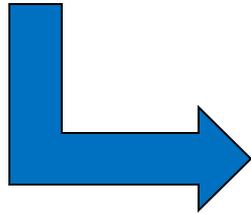
The screenshot shows the Vishay website homepage. At the top left, the Vishay logo is followed by the tagline "Build Vishay into your Design". To the right is a "NEW SEARCH" box with a search bar and a "Submit" button. Below the search bar are language options: "English", "日本語", and "简体中文". A navigation menu includes "PRODUCTS", "APPLICATIONS", "COMPANY INFO", and "QUALITY AND ENVIRONMENTAL".

The main content area is divided into three columns: "SEMICONDUCTORS", "PASSIVE COMPONENTS", and "APPLICATIONS". Each column lists various product categories with expandable options. A blue arrow points to the "DESIGN TOOLS" link, which is circled. The "DESIGN TOOLS" link is described as "Software support tools to assist design engineers." Other links include "ON-LINE LIBRARIES", "VISHAY CLASSICS", "NEWS", "VIDEOS", "TRADE SHOWS", "SUPER 12", "ENGINEER'S TOOLBOX", and "ON-LINE SHORT FORM".

On the right side, there is a "CONTACT US" section, a "BUY NOW" section with a "Check Distributor Stock" button, and a "Useful Links" section. Below these are "Latest Press Release" and "More press releases" links. At the bottom right, there are promotional banners for "Visit Vishay at APEC 2013" and "We'll be there: Hall 13, Stand E60" at the Hannover Messe trade show.

The Windows taskbar at the bottom shows the date and time as 2:28 PM on 3/22/2013.

Scroll down to:



	Powered by Epsilon
	SPICE models
Rectifiers	SPICE models
TVS and ESD protection devices	SPICE models

PASSIVE COMPONENTS

Product Group	Description
Aluminum capacitors	Capacitor selection tool
Inductors	Loss calculator
NTC thermistors	Curve computation program
	Piezo resistive sensor bridge analog temperature compensation calculator
	My VISHAY NTC curve
	3D Models
	Resistor/Thermistor Networks Computation
Resistors	Ohm's Law Calculator
	Pulse Energy Calculator
Tantalum capacitors	Reliability calculator



Demo boards and other information

Product Group	Description
---------------	-------------

You will find the landing page

LANDING PAGE FOR IHLP® INDUCTOR LOSS CALCULATOR TOOL

Vishay's new "IHLP Core Loss Calculator" is a free tool that assists designers in selecting the proper IHLP inductor based on the operating conditions of their circuit. This tool will simulate the losses in the inductor, including core and both AC and DC copper losses. The temperature rise and final component temperature will also be predicted based on the estimated losses. This tool will allow designers to compare several different inductors, both in size and value, to assist in the selection process. The calculator can be used for buck, boost and buck/boost style converters.

The calculator requires eight inputs: input voltage, output voltage, switch (FET) voltage drop, diode (or sync FET) voltage drop, output current, frequency, ambient temperature and inductance. The calculator will do the rest based on these inputs. Inductance can be selected by using the "radio" buttons on the left hand side.

All designs should be verified in circuit as this tool is for simulation only.

[Click here to access the loss calculator tool.](#)

Design Criteria

IHLP inductors have a recommended maximum component temperature of 125 °C. Subtracting the ambient temperature will give us the maximum allowed temperature rise for the part. If this number should exceed 40 °C it is recommended that 40 °C be used for the allowed temperature rise. Core losses should be limited to $\leq 1/3$ of the total losses to mitigate any aging effects associated with the powdered iron in the core at temperatures exceeding 125 °C. The recommended range for the ripple current is 30% to 50% of inductor current. This is based on a trade off of inductor size and cost versus output capacitor size and cost. The maximum peak current should be kept below the I_{sat} value of the selected inductor, although it can be exceeded with caution due to the soft saturation characteristics of the powdered iron core material. The calculators are based on operation in the continuous conduction mode only, information determined in the discontinuous conduction mode should be considered suspect and in need of verification by the user.

CONTACT US Sales, Technical Questions... Go

BUY NOW Check Distributor Stock: Go

Enter Part Number

You have arrived

Build Vishay into your Design

NEW SEARCH

English · 日本語 · 简体中文

HOME
PRODUCTS
APPLICATIONS
COMPANY INFO
QUALITY AND ENVIRONMENTAL

Products » Inductors » IHLP® inductor loss calculator tool landing page » IHLP® inductor loss calculator tool

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type	IHLP-1616AB-01- 1 Boost μ H Ind. Loss Calculator						Ratings		
Boost							Inductance	1	μ H
Choose Available Series							25° C DC Res	0.045	Ohms
IHLP-1616AB-01	Inputs: Enter data into yellow fields			Outputs			Isat	8.5	Amps
Select Inductance:	Frequency =	800000	Hz	ET _{ckt}	0.76	V-usec	I(Heat)	4	Amps
0.047 μ H	Output Current =	2	Amps	F(eff)	526349.5	Hertz	Inductor Current (One Cycle) 		
0.10 μ H	Ambient Temp =	25	°C	Res	0.051936	Ohms			
0.22 μ H	Volts In =	1.5	Volts	I _{max}	3.77	Amps			
0.47 μ H	Volts Out =	2.5	Volts	I _{min}	3.01	Amps			
1 μ H	V _{SW} =	0.025	Volts	I _{ripple}	0.76	Amps			
	V _D =	0.025	Volts	Duty	0.41				
	I _{ind} =	3.4	Amps	P _{core}	0.012	Watts			
	ET ₁₀₀ =	0.27	V-usec	P _{dc}	0.597	Watts			
	B _{pk} =	280.0	G	P _{ac}	0.014	Watts			
	A	0.175	Inch	4.13	mm	P _{tot}			
	B	0.160	Inch	4.13	mm	Temp. Coeff.	48.1	°C/W	
	C	0.047	Inch	1.13	mm	Temp Rise	30.0	°C	
						Comp Temp	55.0	°C	
Reference Cost	0.9			Compared to IHLP-2525CZ-01			Notes May Be Added Here: <input style="width: 100%; height: 40px;" type="text"/>		
				Warning Messages:					

**Enter your
circuit
requirements in
the YELLOW
boxes/fields**

**(Use the Tab key
to change fields)**

Inputs: Enter data into yellow fields			
Frequency =	500000	Hz	
I_{ind} =	5	Amps	
Ambient Temp =	65	°C	
Volts In =	12	Volts	
Volts Out =	3.3	Volts	
V_{sw} =	0.1	Volts	
V_D =	0.5	Volts	
ET_{100} =	1.06	V-usec	

Note: $I_{ind} = I_{out}$ in a Buck converter.

V_{sw} = The voltage drop in the switch (MOSFET).

V_D = The voltage drop in the output diode.

IHLP® INDUCTOR

Choose Calculator Type

Boost

Choose Available Series

IHLP-1616AB-01

IHLP-1616AB-01

IHLP-1616AB-11

IHLP-1616BZ-01

IHLP-1616BZ-11

IHLP-2020AB-01

IHLP-2020BZ-01

IHLP-2020BZ-11

IHLP-2020CZ-01

IHLP-2020CZ-11

IHLP-2525AH-01

IHLP-2525BD-01

IHLP-2525CZ-01

IHLP-2525CZ-11

IHLP-2525CZ-5A

IHLP-2525EZ-01

IHLP-3232CZ-01

IHLP-3232CZ-11

IHLP-3232DZ-01

IHLP-3232DZ-11

IHLP-3232DZ-5A

IHLP-4040DZ-01

IHLP-4040DZ-11

IHLP-4040DZ-5A

IHLP-5050CE-01

IHLP-5050EZ-01

IHLP-5050FD-01

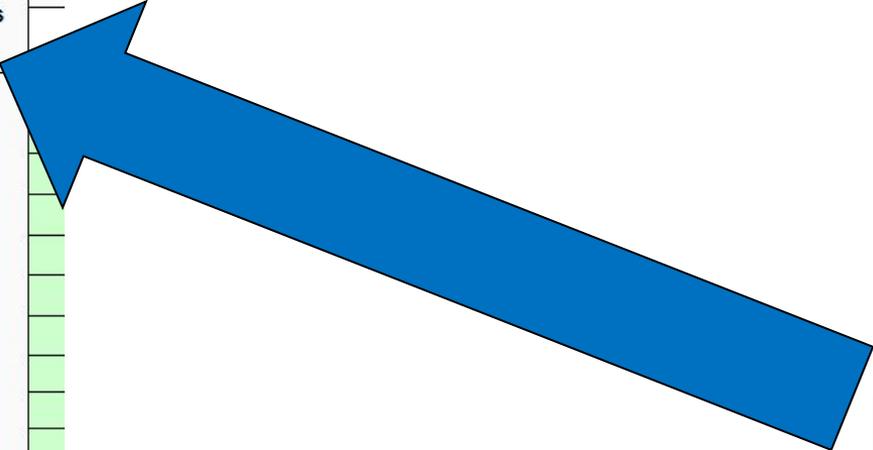
IHLP-5050FD-5A

IHLP-6767DZ-01

IHLP-6767DZ-11

IHLP-6767GZ-01

Re



**Select which
IHLP series you
wish to start
with ...**

Choose Available Series

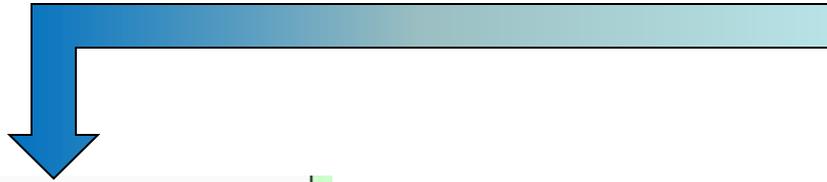
IHLP-2525BD-01 ▾

Select Inductance:

- 0.1 μH
- 0.22 μH
- 0.33 μH
- 0.47 μH
- 0.68 μH
- 0.82 μH
- 1 μH
- 1.5 μH
- 2.2 μH
- 3.3 μH
- 4.7 μH
- 6.8 μH
- 8.2 μH
- 10 μH

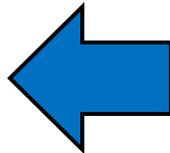
Use the *RADIO* buttons to select an inductance value ...

Calculator Outputs

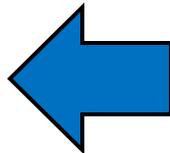


Outputs		
ET _{ckt}	5.27	V-usec
F(eff)	374413.5	Hertz
Res	0.036632	Ohms
I _{max}	6.20	Amps
I _{min}	3.80	Amps
I _{ripple}	2.40	Amps
Duty	0.31	
P _{core}	0.177	Watts
P _{dc}	0.916	Watts
P _{ac}	0.159	Watts
P _{tot}	1.252	Watts
Temp. Coeff.	29.3	°C/W
Temp Rise	36.7	°C
Comp Temp	101.7	°C

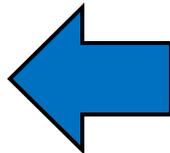
Circuit parameters



Power dissipation



Component temperature



IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type
Boost

Choose Available Series
IHLP-1616AB-01

Select Inductance:

- 0.047 μ H
- 0.10 μ H
- 0.22 μ H
- 0.47 μ H
- 1 μ H

IHLP-1616AB-01- 1 Boost μ H Ind. Loss Calculator

Inputs: Enter data into yellow fields				Outputs			
Frequency =	800000	Hz	ET _{ckt}	0.76	V _{usec}		
Output Current =	2	Amps	F(eff)	526349.5	H		
Ambient Temp =	25	°C	Res	0.051936	ms		
Volts In =	1.5	Volts	I _{max}	3.77	Amps		
					Amps		
					Amps		
					Watts		
					Watts		
					Watts		
A	0.175	Inch	4.13	mm	P _{tot}	0.623	Watts
B	0.160	Inch	4.13	mm	Temp. Coeff.	48.1	°C/W
C	0.047	Inch	1.13	mm	Temp Rise	30.0	°C
					Comp Temp	55.0	°C
Reference Cost	0.9			Compared to IHLP-2525CZ-01			

Ratings

Inductance	1	μ H
25° C DC Res	0.045	Ohms
Isat	8.5	Amps
I(Heat)	4	Amps

Component Information

Inductor Current (One Cycle)

Warning Messages:

Notes May Be Added Here:

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type Boost	IHLP-1616AB-01- 1 Boost μH Ind. Loss Calculator						Ratings		
							Inductance	1	μ H
Choose Available Series IHLP-1616AB-01	Inputs: Enter data into yellow fields			Outputs			l(Heat) 4 Amps		
Select Inductance: 0.047 μ H 0.10 μ H 0.22 μ H 0.47 μ H 1 μ H	Frequency =	800000	Hz	ET _{ckt}	0.76	V-usec	Inductor Current (One Cycle) 		
	Output Current =	2	Amps	F(eff)	526349.5	Hertz			
	Ambient Temp =	25	°C	Res	0.051936	Ohms			
	Volts In =	1.5	Volts	I _{max}	3.77	Amps			
	Volts Out =	2.5	Volts	I _{min}	3.01	Amps			
	V _{SW} =	0.025	Volts	I _{ripple}	0.76	Amps			
	V _D =	0.025	Volts	Duty	0.41				
	I _{ind} =	3.4	Amps	P _{core}	0.012	Watts			
	ET ₁₀₀ =	0.27	V-usec	P _{dc}	0.597	Watts			
	B _{pk} =	280.0	G	P _{ac}	0.014	Watts			
	A	0.175	Inch	4.13	mm	P _{tot}	0.623	Watts	
	B	0.160	Inch	4.13	mm	Temp. Coeff.	48.1	°C/W	
	C	0.047	Inch	1.13	mm	Temp Rise	30.0	°C	
						Comp Temp	55.0	°C	
						Compared to IHLP-2525CZ-01			
Messages						Warning Messages:			
						Notes May Be Added Here:			

Messages – What do they mean?

There are four possible messages that can be displayed



They are

Messages – What do they mean?

1. **Warning – Component temperature Exceeds 125°C**
2. **Inductor Current Exceeds Saturation Current**
3. **Discontinuous Mode – Model Invalid**
4. **Caution – Core Losses Greater Than 1/3 of total Losses**

The first two are self explanatory (it would be 155°C for -5X parts)

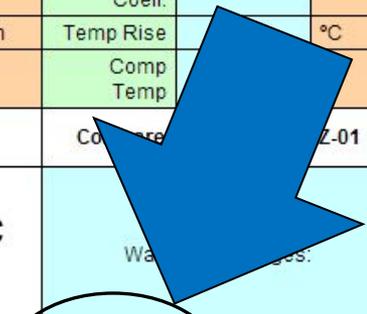
The third indicates that the circuit would be in discontinuous mode – the calculator is based on continuous conduction mode. The results will not be as accurate.

The fourth is just informational, a good rule of thumb is 1/3 core and 2/3 copper losses.

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type Boost	IHLP-1616AB-01 - 1 Boost μH Ind. Loss Calculator						Ratings					
							Inductance	1	μ H	25° C DC Res	0.045	Ohms
Choose Available Series IHLP-1616AB-01	Inputs: Enter data into yellow fields			Outputs			l(Heat) 4 Amps					
Select Inductance: 0.047 μ H 0.10 μ H 0.22 μ H 0.47 μ H 1 μ H	Frequency =	800000	Hz	ET _{dit}	0.76	V-usec	<div style="text-align: center;"> Inductor Current (One Cycle) </div>					
	Output Current =	2	Amps	F(eff)	526349.5	Hertz						
	Ambient Temp =	25	°C	Res	0.051936	Ohms						
	Volts In =	1.5	Volts	I _{max}	3.77	Amps						
	Volts Out =	2.5	Volts	I _{min}	3.01	Amps						
	V _{SW} =	0.025	Volts	I _{ripple}	0.76	Amps						
	V _D =	0.025	Volts	Duty	0.41							
	I _{ind} =	3.4	Amps	P _{core}								
	ET ₁₀₀ =	0.27	V-usec	P _{dc}								
	B _{pk} =	280.0	G	P _{ac}								
A	0.175	Inch	4.13	mm	P _{tot}		<div style="text-align: center;"> Temp Rise vs Time </div>					
B	0.160	Inch	4.13	mm	Temp. Coeff.	40.1						
C	0.047	Inch	1.13	mm	Temp Rise	°C						
					Comp Temp							
Reference Cost	0.9				Core	Z-01						
				Wafer Thickness:								
Notes May Be Added Here:										<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		

If you need a little help



Click [HERE](#) for Help

IHLP® LOSS CALCULATOR HELP FILE

The purpose of this calculator is to estimate the losses in the Vishay IHLP series inductors used in continuous mode power converters. Both copper and core losses are estimated. The program also may be used to estimate temperature rise, but you may experience results different from what this program predicts.

Inputs: Eight inputs must be supplied by the user of the calculator. Data must be entered into the yellow cells only.

1. Enter the inductance by clicking on one of the radio buttons on the left side.
2. Enter the frequency of the circuit.
3. Enter the DC output current of the converter.
4. Enter the ambient temperature. The program uses this to calculate the final resistance of the inductor and the final component temperature.
5. Enter the input voltage of the converter.
6. Enter the output voltage of the converter.
7. Enter the switch drop voltage V_{SW} .
8. Enter the diode or sync FET voltage drop V_D .

Once entered, your inputs will remain as is until a new input value is entered. To change inductance used, click a different inductance button. Clicking the button sets up the calculator with new internal data for the part specified and immediately updates the calculator, including the graph.

Outputs: The outputs of the calculator are displayed in the blue cells, they are summarized below.

- **ET_{ckt}:** The volt-microsecond product of the converter circuit.
- **F(eff):** This is the calculated effective frequency of the circuit used for the determination of core loss. The program takes into account the shape and amplitude of the current ripple when it calculates core loss.
- **Res:** Resistance of the inductor at the temperature specified in the inputs.
- **I_{max}:** The peak current of the inductor at the top of the ripple.
- **I_{min}:** The instantaneous current at the bottom of the ripple.
- **I_{ripple}:** The change of inductor current from the bottom of ripple to top of ripple = $I_{max} - I_{min}$.
- **Duty:** The percentage of time that the switch is on.
- **P_{core}:** Core loss in watts.
- **P_{dc}:** Conductor loss due to dc resistance in the inductor in watts.
- **P_{ac}:** Conductor loss due to ac effects in watts.
- **P_{tot}:** Total losses in the inductor = $P_{core} + P_{dc} + P_{ac}$
- **Temp. Coeff.** The rise in temperature in °C per watt of dissipation. This is based on lab tests performed on sample inductors using the change of resistance method. Your thermal environment and that used in our lab may be different.
- **Temp Rise:** This is the increase in inductor temperature above ambient.
- **Comp Temp:** The ambient temperature plus the temperature rise. This is the estimated temperature of the inductor.
- **I_{ind}:** This is the DC current that the inductor sees in the boost and buck-boost converter topology, in buck converters the inductor current is equal to the output current.
- **ET₁₀₀:** Volt-microsecond product of the inductor at 100 gauss.
- **B_{pk}:** Peak flux density of the circuit based on operating conditions specified.

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type
Boost

Choose Available Series
IHLP-1616AB-01

Select Inductance:

- 0.047 μ H
- 0.10 μ H
- 0.22 μ H
- 0.47 μ H
- 1 μ H

IHLP-1616AB-01 - 1 Boost μ H Ind. Loss Calculator

Inputs: Enter data into yellow fields			Outputs		
Frequency =	800000	Hz	ET _{tot}	0.76	V-usec
Output Current =	2	Amps	F(eff)	526349.5	Hertz
Ambient Temp =	25	°C	Res	0.051936	Ohms
Volts In =	1.5	Volts	I _{max}	3.77	Amps
Volts Out =	2.5	Volts	I _{min}	3.01	Amps
V _{SW} =	0.025	Volts	I _{ripple}	0.76	Amps
V _D =	0.025	Volts	Duty	0.41	
			P _{core}	0.012	Watts
			P _{dc}	0.597	Watts
			P _{ac}	0.014	Watts
			P _{tot}	0.623	Watts
			Temp _{Coil}		°C/W

Ratings		
Inductance	1	μ H
25° C DC Res	0.045	Ohms
Isat	8.5	Amps
I(Heat)	4	Amps

Inductor Current (One Cycle)

Physical Dimensions:

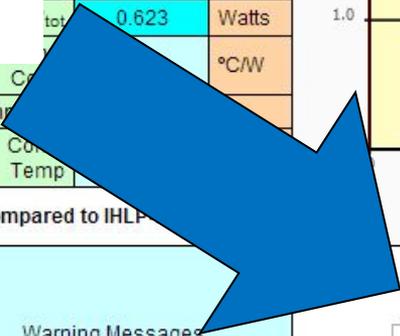
B	0.100	Inch	4.13	mm	Coil Temp
C	0.047	Inch	1.13	mm	Coil Temp

Reference Cost: 0.9 Compared to IHLP: []

Warning Messages:

Notes May Be Added Here:

If you want to add notes



IHLP® INDUCTOR LOSS CALCULATOR TOOL

Choose Calculator Type
Boost

Choose Available Series
IHLP-1616AB-01

Select Inductance:

- 0.047 μ H
- 0.10 μ H
- 0.22 μ H
- 0.47 μ H
- 1 μ H

IHLP-1616AB-01 - 1 Boost μ H Ind. Loss Calculator

Inputs: Outputs

Enter data into yellow field

Frequency =	800000		0.76	V-usec			
Output Current =	2		349.5	Hertz			
Ambient Temp =	25	°C	76	Ohms			
Volts In =	1.5	Volts	7	Amps			
Volts Out =	2.5	Volts	I_{min}	3.			
V_{SW} =	0.025	Volts	I_{ripple}	0.			
V_D =	0.025	Volts	Duty	0.			
I_{ind} =	3.4	Amps	P_{core}	0.0			
ET_{100} =	0.27	V-usec	P_{dc}	0.5			
B_{pk} =	280.0	G	P_{ac}	0.0			
A	0.175	Inch	4.13	mm	P_{tot}	0.6	
B	0.160	Inch	4.13	mm	Temp. Coeff.	48	
C	0.047	Inch	1.13	mm	Temp Rise	30.0	°C
					Comp Temp	55.0	°C

Reference Cost: 0.9 Compared to IHLP-2525CZ-01

Warning Messages:

Ratings

Inductance	1	μ H
25° C DC Res	0.045	Ohms
I_{sat}	8.5	Amps
$I(Heat)$	4	Amps

Inductor Current (One Cycle)

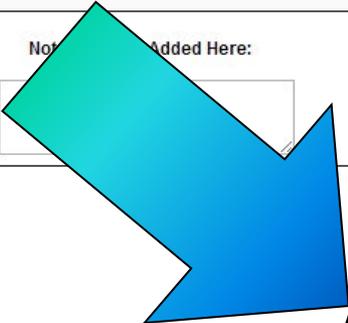
Time (μ Sec)

Notes May Be Added Here:

Link to
component
product
information

IHLP-1616AB-01 - 1 Boost μ H Ind. Loss Calculator						Ratings					
Inputs: Enter data into yellow fields						Outputs			Inductance	1	μ H
									25° C DC Res	0.045	Ohms
Frequency = 800000 Hz						ET _{out} 0.76 V-usec			Isat	8.5	Amps
									I(Heat)		
Output Current = 2 Amps						F(eff) 526349.5 Hertz					
Ambient Temp = 25 °C						Res 0.051936 Ohms					
Volts In = 1.5 Volts						I _{max} 3.77 Amps					
Volts Out = 2.5 Volts						I _{min} 3.01 Amps					
V _{SW} = 0.025 Volts						I _{ripple} 0.76 Amps					
V _D = 0.025 Volts						Duty 0.41					
I _{ind} = 3.4 Amps						P _{core} 0.012 Watts					
ET ₁₀₀ = 0.27 V-usec											
B _{pk} = 280.0 G											
A 0.175 Inch 4.13 mm											
B 0.160 Inch 4.13 mm											
C 0.047 Inch 1.13 mm											
Reference Cost 0.9						Con					
						Warning Messages:			Not Added Here:		

If you wish to provide us with a little feedback ...



[Click HERE for Help](#)