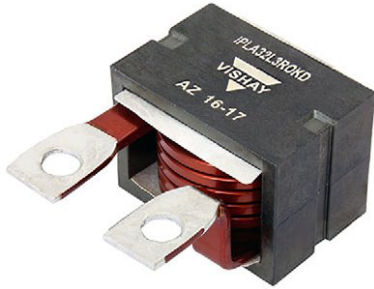


По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

High Current Planar Choke Inductor



In addition to catalogue product presented here, many custom products have been engineered see on following page few examples.

DESIGN SUPPORT TOOLS click logo to get started



FEATURES

- For high power density DC/DC converter application
- High current capabilities
- Very stable performances versus temperature
- Very compact design (low profile and weight)
- Low EMI, magnetically shielded
- High self-resonance frequency
- Recommended frequency range (100 kHz; 800 kHz)
- Operating temperature range:
-55 °C; 125 °C with heatsink dissipation
- Flexible pin out design (tapped output terminals, layout, ...)
- Material temperature grade: 180 °C
- Custom design on request

QUICK REFERENCE DATA

Type	Inductor
Size (L x W x H)	31 mm x 43 mm x 22.2 mm
Terminals	Leadframe or wires
Inductance range ⁽¹⁾	1 μ H to 4 μ H ⁽²⁾
Frequency range	100 kHz to 800 kHz

Notes

⁽¹⁾ Other values on request

⁽²⁾ Please refer to "part number examples" table on the next page

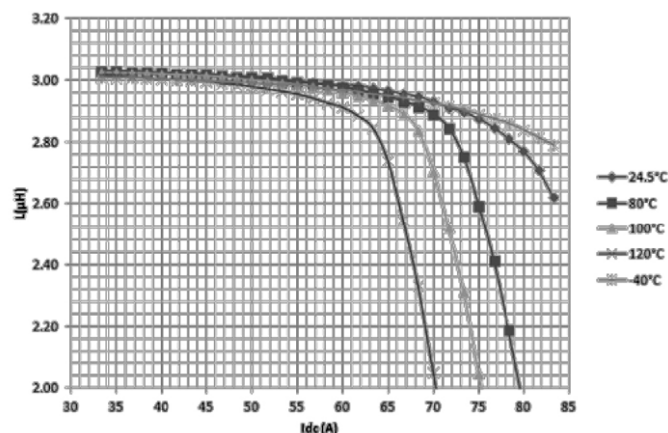
CLASSICAL FRAMEWORKS - Other topologies on request

L(1-2) 100 kHz / 0.1 V	WINDING R_{DC} (1-2)	INSULATION: WINDING / CORE 500 V _{DC}	POWER LOSSES ASSESSMENT UNDER 70 A _{DC} AND WINDING AT 120 °C	ELECTRICAL SCHEME
3 μ H \pm 10 %	0.62 m Ω	$R_i > 10$ M Ω	3 W ⁽¹⁾	

Note

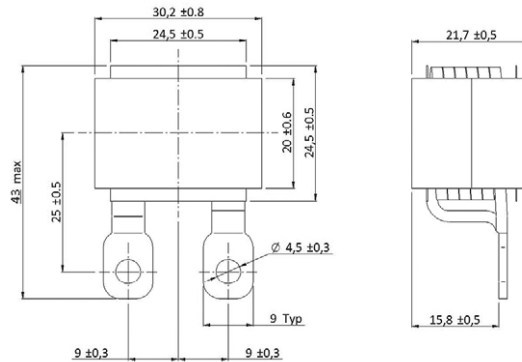
⁽¹⁾ **Caution:** power losses draining shall be managed by customer device

ELECTRICAL SCHEMES



TYPICAL THERMAL RESISTANCE

NATURAL CONVECTION	HEATSINK 1 FACE	HEATSINK 2 FACES
10.5 W/mK	4 W/mK	2 W/mK

MECHANICAL DIMENSIONS FOR IPLA32L (lead frames with smooth holes)

Note

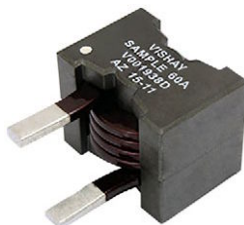
- Standard model: lead frame with holes (not threaded)

PART NUMBER EXAMPLES

PART NUMBER	L (μH)	I (A)	ΔI (A)	LOSS (W)	ΔT ⁽¹⁾ (°C)
IPLA32L1R0KD	1	110	22	7	75
IPLA32L2R0KD	2	100	20	5.8	60
IPLA32L3R0KD	3	70	14	2.8	30
IPLA32L4R0KD	4	50	10	1.5	15

Note

⁽¹⁾ ΔT °C assessed with natural convection. When ΔT °C > 40 °C it's advised to use a fitted thermal device to keep core temperature ≤ 125 °C

EXAMPLES OF CUSTOM DESIGNS ALREADY ENGINEERED
Custom IPLA 32L
(no holes in lead frame)


3 μH / 45 A

Custom IPLA 32L
(special lead frame shapes)


3 μH / 70 A

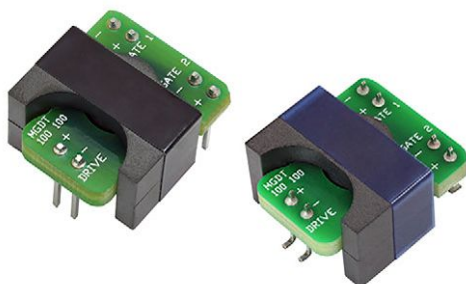
IPLA 32N
(threaded holes in lead frames)


3 μH / 140 A

SAP PART NUMBERING

MODEL	SIZE	STYLE	VALUE	RATIO	SPECIAL
4 digits IPLA	2 digits 32 = EC 32	1 digit W = wire L = leadframe N = leadframe with threaded nuts	3 digits 3R0 = 3 μH 101 = 100 μH 300 = 30 μH	1 digit M = ± 20 % A = ± 15 % K = ± 10 %	6 digits

Miniaturized Gate Drive Planar Transformers



FEATURES

RoHS*
Available

- Deliver MOSFET / IGBT gate power and timing signals simultaneously
- Directly drive high side MOSFETs / IGBTs on busses up to 1200 V
- Excellent rise time, overshoot, and peak current characteristics
- 8 mm minimum creepage and clearance from drive to gates
- Low profile planar package
- LF and SM versions are RoHS-compliant

ABSOLUTE MAXIMUM RATINGS			
PARAMETER	CONDITIONS	LIMITS	UNITS
Dielectric withstand voltage	Drive to gate, 1 min	3750	V _{AC}
	Gate to gate, 1 min	2500	V _{AC}
Total power dissipation (1)	T _A = 25 °C	2.0	W
Operating temperature (2)	Continuous	-55 to +125	°C
Storage temperature	Continuous	-55 to +130	°C
Frequency		100 to 500	kHz
Size (L x W x H)		20.57 x 18.42 x 11.43	mm
Terminals	Through-hole and surface-mount		

Note

* This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

Note

(1) Derate at 33.3 mW/°C above 25 °C

(2) Derate drive level to 60 V/μs above 85°C

STANDARD ELECTRICAL SPECIFICATIONS									
PART NUMBER	USEFUL FREQ. RANGE (kHz)	TRANSFER RATIO (± 3 %) (1)	DRIVE EXCITATION MAX. (Vμs)	MAGNETIZING INDUCTANCE MIN. (μH) (2)(3)	LEAKAGE INDUCTANCE MAX. (μH) (4)	DC RESISTANCE (2)		INTERWINDING CAPACITANCE	
						DRIVE MAX. (Ω)	GATES MAX. (Ω)	DRIVE TO GATE MAX. (pF)	GATE TO GATE MAX. (pF)
MGDT100100	100 to 500	1 : 1 : 1	80	240	0.5	0.35	0.35	15	10
MGDT100100LF	100 to 500	1 : 1 : 1	80	240	0.5	0.35	0.35	15	10
MGDT100100-SM	100 to 500	1 : 1 : 1	80	240	0.5	0.35	0.35	15	10
MGDT100125	100 to 500	1 : 1.25 : 1.25	80	240	0.5	0.35	0.50	25	10
MGDT100125LF	100 to 500	1 : 1.25 : 1.25	80	240	0.5	0.35	0.50	25	10
MGDT100125-SM	100 to 500	1 : 1.25 : 1.25	80	240	0.5	0.35	0.50	25	10

Notes

(1) Drive : gate : gate

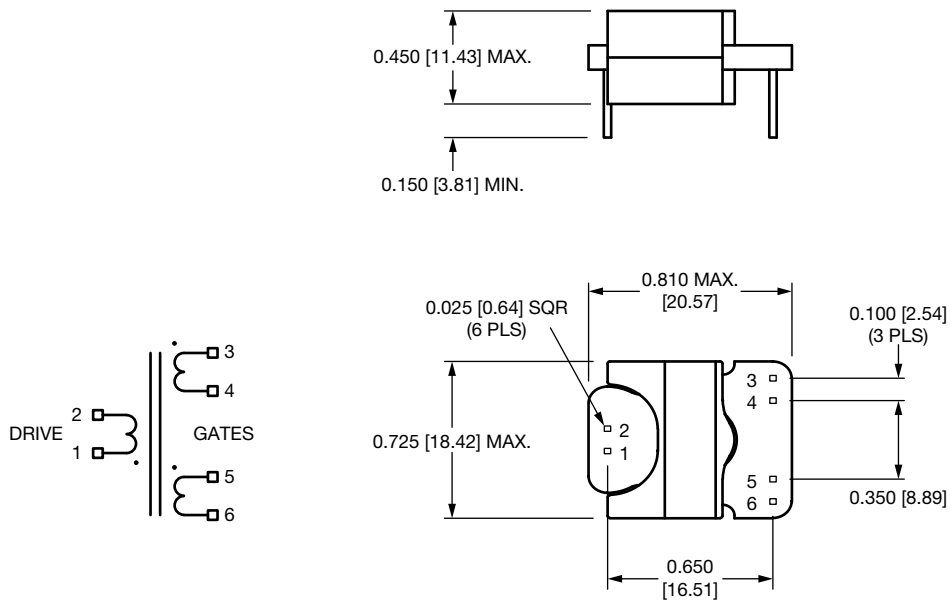
(2) T_A = 25 °C

(3) 100 mV at 100 kHz across the drive winding with all gates open

(4) 100 mA at 100 kHz into the drive winding with all gates shorted

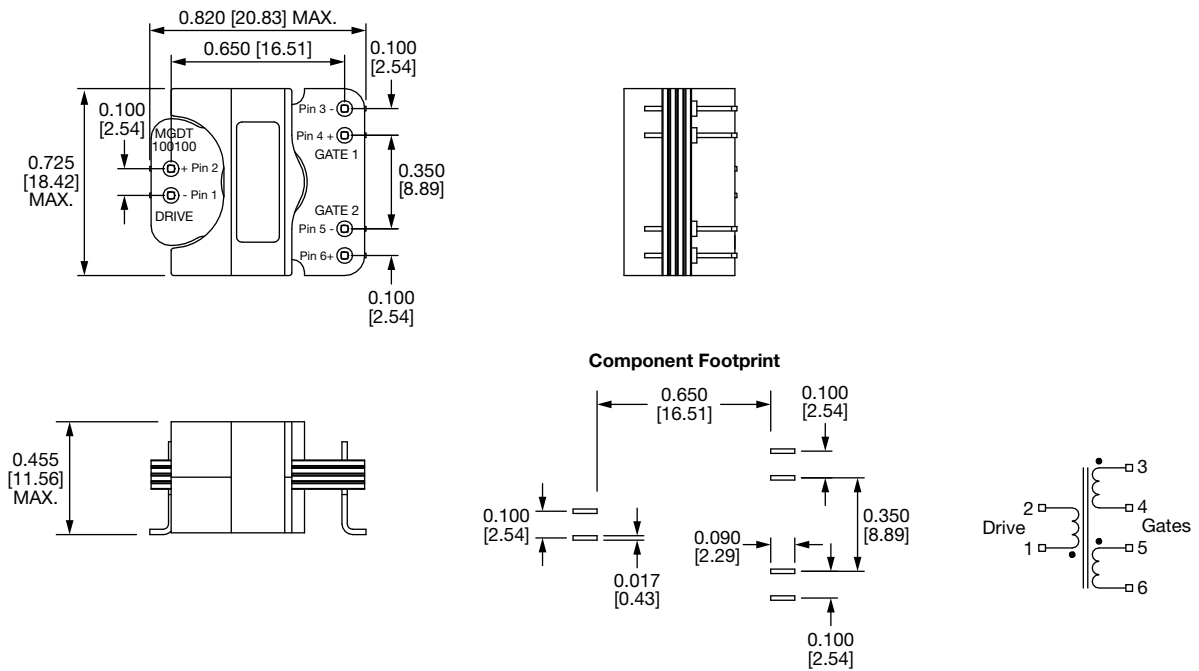
DIMENSIONS in inches [millimeters]

MGDT1001..., MGDT1001..LF

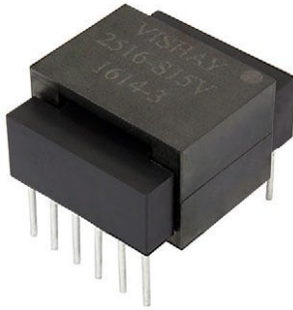


Tolerance on all dimensions is ± 0.010 [0.25] unless otherwise specified.

MGDT1001...-SM



Versatile Through-Hole Planar Transformers



FEATURES

- Higher power density levels versus traditional planar designs
- Designed to meet MIL-PRF-27 requirements
- Minimal board area footprint
- Easily customized to meet design-specific requirements
- Operating frequencies from 100 kHz to 500 kHz
- Split primary design to allow for efficient 120 V or 380 V operation
- Overmolded windings for ruggedized applications
- Minimal parasitic variation
- Operating temperature range -55 °C to +130 °C, power derating above 105 °C
- Patent pending

APPLICATIONS

- Off-line and PFC-derived switchmode power supplies
- Full-bridge / half-bridge converters from 150 W to 300 W
- Industrial control, and alternative energy applications
- Markets include avionics, industrial, military, and medical

ABSOLUTE MAXIMUM RATINGS			
PARAMETER	CONDITIONS	LIMITS	UNITS
Dielectric withstand voltage	Pri - sec, 5 s	1500	V _{AC}
	Sec - sec; 5 s	500	V _{AC}
Total power dissipation ⁽¹⁾	T _A = 105 °C	3	W
Power		150 to 300	W
Operating temperature	Continuous	-55 to +130	°C
Storage temperature	Continuous	-65 to +155	°C
Frequency		100 to 500	kHz
Size (L x W x H)		30 x 26 x 17	mm
Terminals	Through hole		

Note

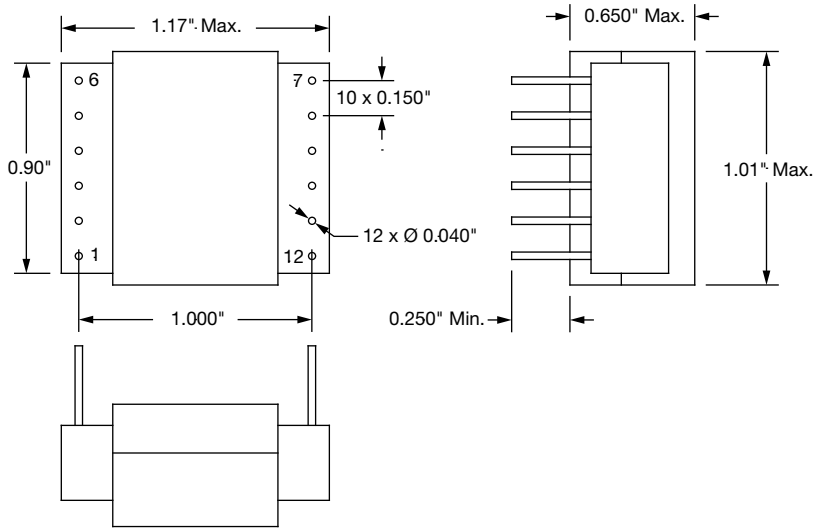
⁽¹⁾ Derate per the graph for temperatures above 105 °C

STANDARD ELECTRICAL SPECIFICATIONS									
PART NUMBER	OUTPUT VOLTAGE (V)	MAGNETIZING INDUCTANCE MIN. (μH) ⁽¹⁾	LEAKAGE INDUCTANCE MAX. (μH) ⁽²⁾	INTERWINDING CAPACITANCE MAX. (pF)	TRANSFER RATIO PRI : SEC	DCR (mΩ) ⁽³⁾			RATED CURRENT (A) ⁽⁴⁾
						2.3 to 4.5	12 to 8	11 to 7	
MTPL-2516-S12V	12	450	1.70	120	0.176	23.0	8	8	22.0
MTPL-2516-S15V	15	450	2.00	120	0.214	28.0	12	12	16.25
MTPL-2516-S24V	24	450	1.30	120	0.333	23.0	25	25	12.5

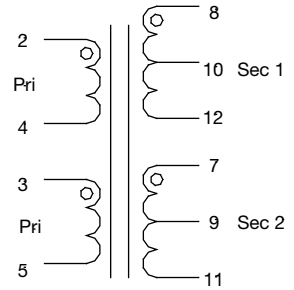
Notes

- ⁽¹⁾ 100 mV at 100 kHz, across 2.3 to 4.5
⁽²⁾ 100 mV at 100 kHz across 2.3 to 4.5, short 7 through 12
⁽³⁾ T_A = 25 °C
⁽⁴⁾ Current rated for 40 °C temperature rise, secondaries in parallel

DIMENSIONS in inches



Schematic



For 90 V to 270 V operation tie 2,3 and 4,5.
For 380 V operation tie 3,4.

TEMPERATURE RISE VS. POWER DISSIPATION (W)



Low Power Planar Transformer 100 W to 500 W


FEATURES
RoHS

- Compact design with various configurations available upon request
- For high power density DC/DC converter application
- Very low profile and weight
- High efficiency: > 99 %
- Recommended frequency range: 50 kHz to 400 kHz
- Operating temperature range: -55 °C to 125 °C with heat sink dissipation
- Easy-assembly system for cold plates
- Material temperature grade: 180 °C

PLA32 is highly versatile model as further detailed below

DESIGN SUPPORT TOOLS
[click logo to get started](#)

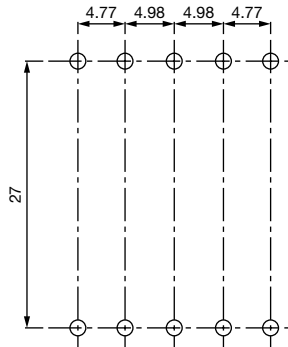
QUICK REFERENCE DATA

Type	Transformer
Size (L x W x H)	32 mm x 32 mm x 15 mm
Terminals	Through holes
Power	100 W to 500 W
Frequency range	50 kHz to 400 kHz
Inductance range	5.5 μ H to 147.5 μ H

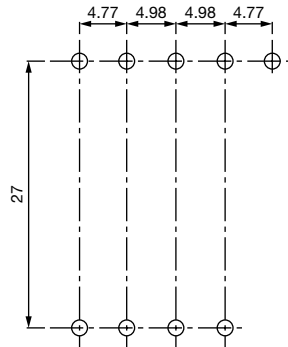
CLASSICAL FRAMEWORKS - Other topologies on request

ELECTRICAL DIAGRAM	RATIO	LP (μ H) \pm 25 %	ET_sat (V_{μ s)	ET (V_{μ s) Core loss = 1 W 100 kHz	FOOTPRINT
	4 : 4	118	248	157.5	A
	4 : 3				B
	4 : 2				C
	4 : 1				D
	3 : 3	66.6	186	121	E
	3 : 2				F
	3 : 1				G
	2 : 2	29.6	124	80	H
	2 : 1				I
	1 : 1	7.4	62	40	J

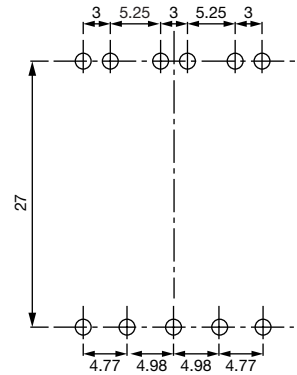
FOOTPRINT



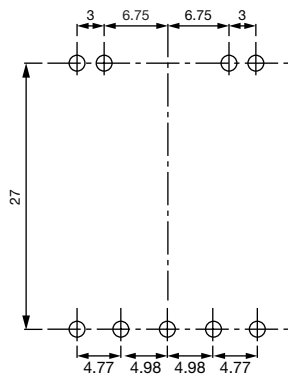
A



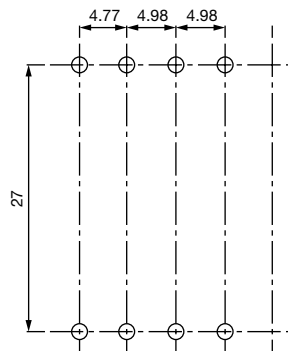
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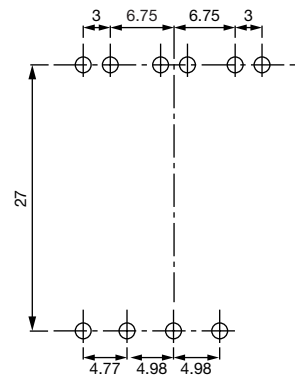
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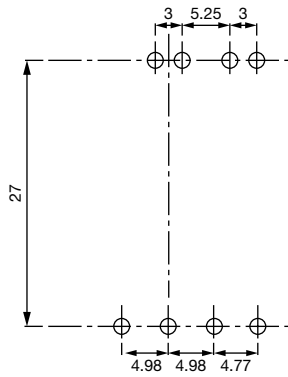
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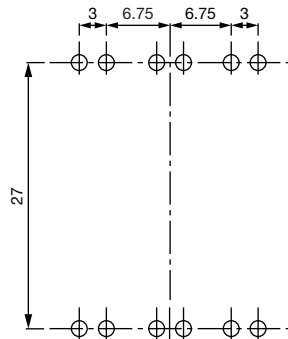
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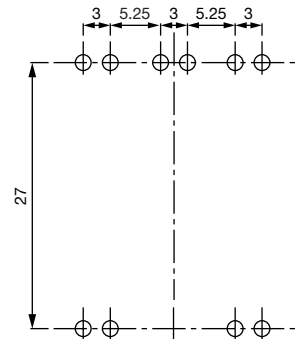
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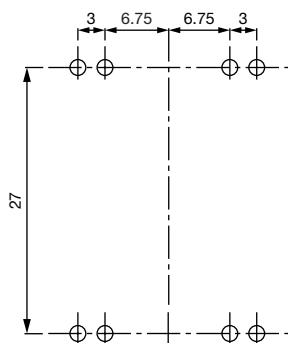
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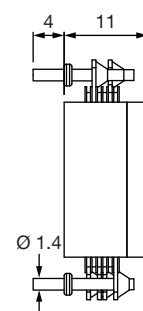
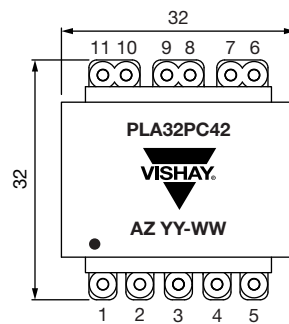
H



I



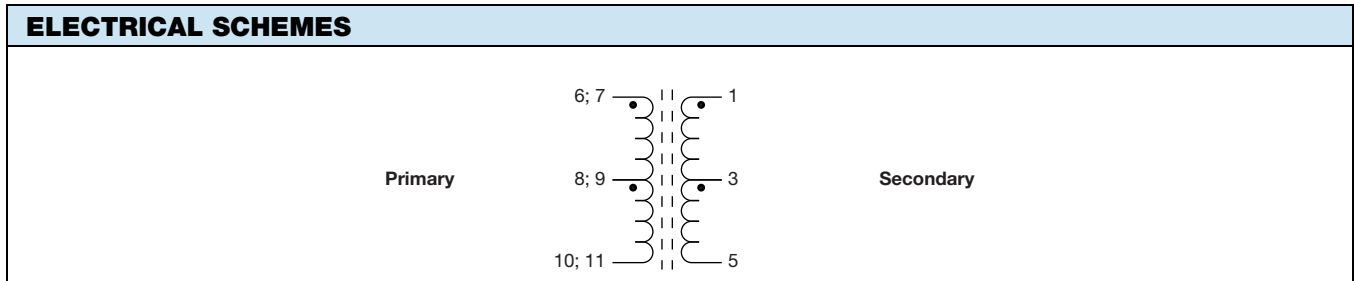
J



EXAMPLE OF TRANSFORMER APPLICATION: 150 W PUSH-PULL DC/DC CONVERTER, PLA32PC42

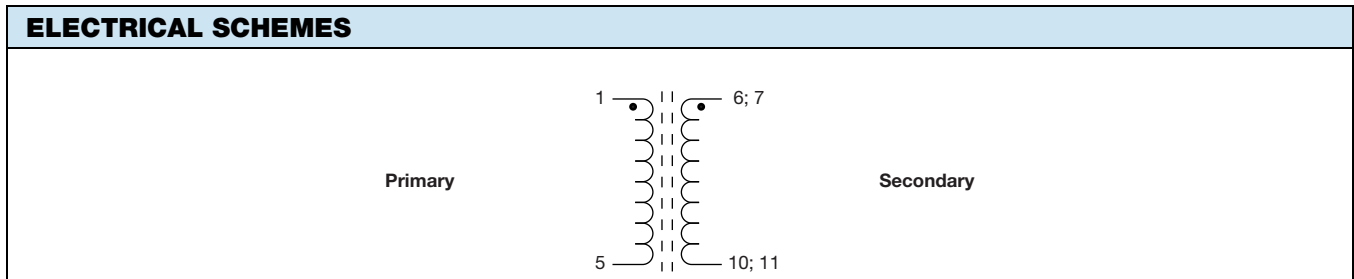
POWER SUPPLY						
TOPOLOGY	FREQUENCY	POWER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	DUTY CYCLE MAX.
Push-pull	150 kHz	150 W	11 V _{DC} to 16 V _{DC}	6 V, 16 V	10.5 A	0.73

STANDARD ELECTRICAL CHARACTERISTICS						
INDUCTANCE (10 kHz; 0.1 V)	LEAKAGE INDUCTANCE (10 kHz; 0.1 V)	TURN RATIO	R _{DC(1-3)} R _{DC(3-5)} 20 °C	R _{DC(6; 7-8; 9)} R _{DC(8; 9-10; 11)} 20 °C	POWER LOSSES	HIPOT: PRIMARY / SECONDARY 1000 V _{AC}
7.4 μH ± 25 %	< 100 nH	1:2	1.2 mΩ	0.6 mΩ	< 1.6 W	< 150 μA


EXAMPLE OF TRANSFORMER APPLICATION: 300 W FULL-BRIDGE + CURRENT DOUBLER DC/DC CONVERTER, PLA32PD41

POWER SUPPLY						
TOPOLOGY	FREQUENCY	POWER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	DUTY CYCLE MAX.
Full-bridge + current doubler	200 kHz	300 W	30 V _{DC} to 70 V _{DC}	7 V	43 A	0.95

STANDARD ELECTRICAL CHARACTERISTICS						
INDUCTANCE (10 kHz; 0.1 V)	LEAKAGE INDUCTANCE (10 kHz; 0.1 V)	TURN RATIO	R _{DC(1-5)}	R _{DC(6; 7-10; 11)}	POWER LOSSES	HIPOT: PRIMARY / SECONDARY 1000 V _{AC}
118 μH ± 25 %	< 100 nH	4:1	2.4 mΩ	0.2 mΩ	< 2.2 W	< 150 μA


RECOMMENDATIONS FOR MOUNTING

Announced performances are achieved using a liquid cooling system. The internal temperature must be maintain below 160 °C. The user shall correctly size its own heatsink according to real working conditions of his device.

PACKAGING

Individual box.

SAP PART NUMBERING						
MODEL	SIZE	STYLE	FOOTPRINT	RATIO	SPECIAL	
PLA	32	P = PIN (through hole)	1 digit (see page 2)	11 = 1 : 1 to 44 = 4 : 4 SR = special ratio on request	6 digits (special code)	

Medium Power Planar Transformer 1 kW to 3 kW



In addition to this standard design of PLA51 many custom designs can be offered upon request

LINKS TO ADDITIONAL RESOURCES



FEATURES

RoHS
COMPLIANT

- For high power density DC/DC converter application
- Very low profile and weight
- High efficiency: > 99 %
- Recommended frequency range (50 kHz; 400 kHz)
- Operating temperature range: -55 °C; 125 °C with heat sink dissipation
- Easy-assembly system for cold plates
- Tapped output terminals
- Material temperature grade: 180 °C
- Excellent repeatability

QUICK REFERENCE DATA	
Type	Transformer
Size (L x W x H)	70 mm x 53 mm x 22 mm
Terminals	Tapped outputs or wires
Power	1000 W to 3000 W
Frequency range	50 kHz to 400 kHz
Inductance range	96 μ H to 160 μ H

EXAMPLE OF TRANSFORMER APPLICATION: 2 kW DC/DC CONVERTER, PLA51LA32

POWER SUPPLY						
TOPOLOGY	FREQUENCY	POWER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	DUTY CYCLE MAX.
Full bridge with current doubler	100 kHz	2 kW	50 V _{DC} to 110 V _{DC}	30 V	67 A	0.98

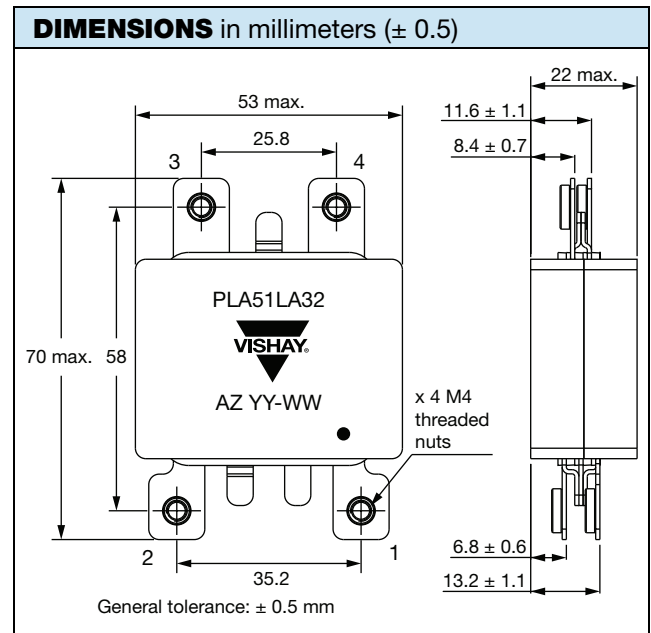
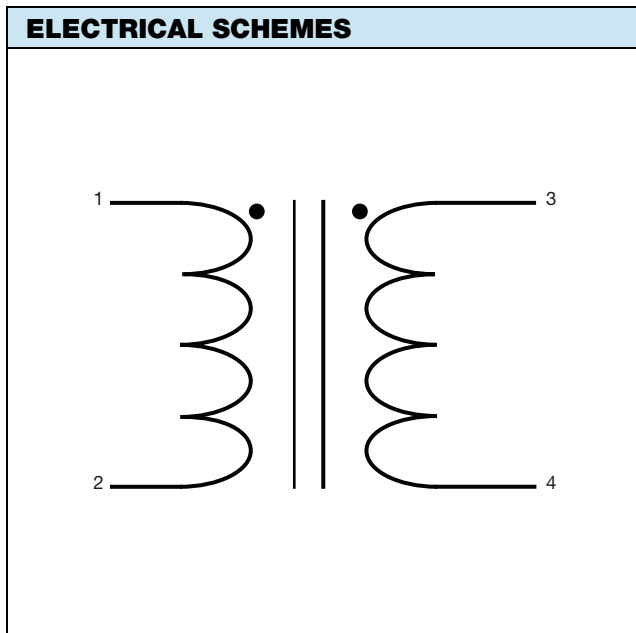
STANDARD ELECTRICAL CHARACTERISTICS						
INDUCTANCE (10 kHz; 0.1 V)	LEAKAGE INDUCTANCE (10 kHz; 0.1 V)	TURN RATIO	POWER LOSSES	EFFICIENCY	HIPOT: PRIMARY / SECONDARY + CORE 1500 V _{AC}	HIPOT: SECONDARY / CORE
128 μ H \pm 25 %	< 150 nH (typical)	3:2	< 17 W	> 99 %	< 150 μ A	< 150 μ A

RECOMMENDATIONS FOR MOUNTING

Announced performances are achieved using a liquid cooling system. The internal temperature must be maintained below 160 °C. The user shall correctly size its own heatsink according to real working conditions of his device.

PACKAGING

Individual box.


Notes

- Weight ≈ 170 g
- Take care of ferrite core while handling (no shock admitted)
- Terminal fixing: with M4 screw, max. tightening: 1.2 Nm

SAP PART NUMBERING						
MODEL	SIZE	STYLE	FOOTPRINT	RATIO	SPECIAL	
PLA	51	L = leadframe with nuts W = wires	A = as shown in above drawings (other upon request)	21 = 2 : 1 (on request) 31 = 3 : 1 (on request) 32 = 3 : 2 SR = special ratio	XXXXX = special code (6 digits)	

Versatile Planar Transformer



FEATURES

- Patent N° 99 00241
- Designed for switch mode power supply applications (transformer and choke inductor)
- End user configures the transformer by using a software supplied
- Frequency range: 50 kHz to 400 kHz
- Suitable for surface mount or through hole
- UL 94 V-0 material
- High power up to 220 W
- Operating temperature: -55 °C to +125 °C



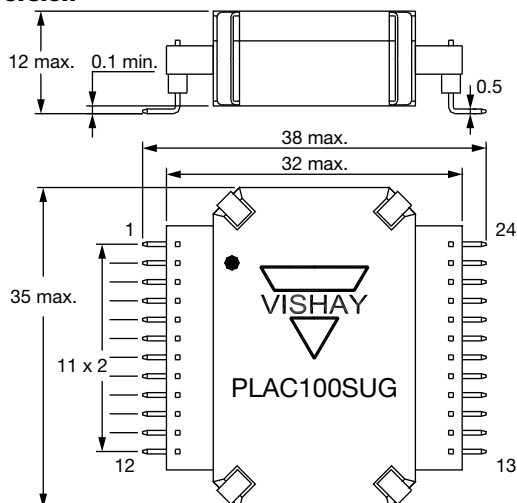
RoHS
COMPLIANT

QUICK REFERENCE DATA

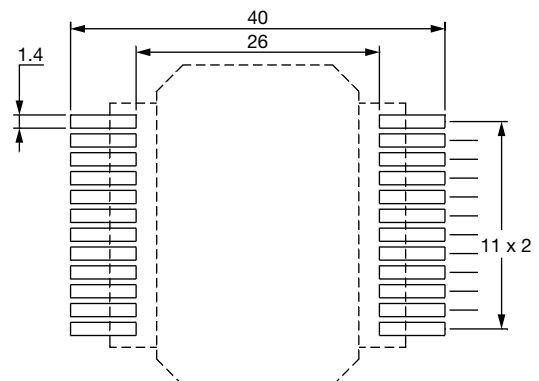
Type	Transformer
Size (L x W x H)	40 mm x 35 mm x 12 mm
Terminals	SMD or through holes
Power	Up to 220 W
Frequency range	50 kHz to 400 kHz
Inductance range	5.2 µH to 4032 µH

DIMENSIONS in millimeters (± 0.5)

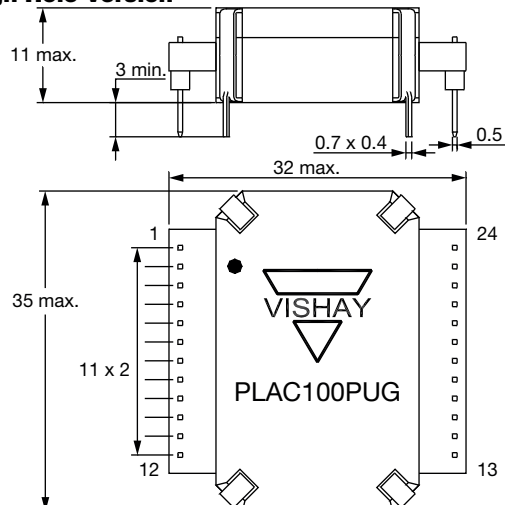
SMD Version



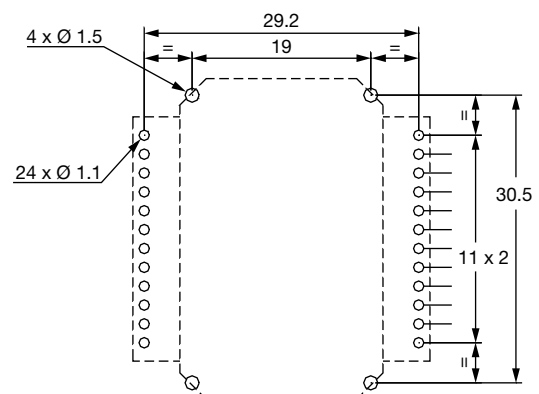
Recommended PCB Layout
Weight: 35 g



Through-Hole Version



Recommended PCB Layout
Weight: 35 g



APPLICATIONS: DC/DC POWER SUPPLY

- Switching mode power supplies
- DC/DC converters

TECHNOLOGY

PLAC 100 is a highly flexible planar transformer. Inhouse the design engineer can adapt the different combinations of serial and parallel configurations of the windings to give a substantial number of ratio and current possibilities via the supplied software.

The transformer is one of the first critical components in the design of power supply and converters. PLAC 100 allows a great versatility for many power supply topologies: forward, flyback, half-bridge, bridge ...

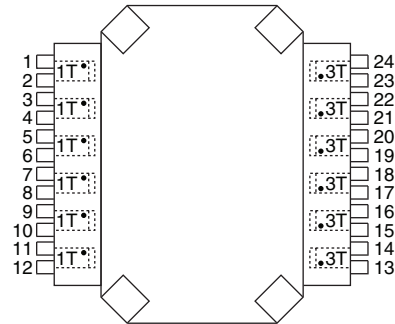
Thanks to this adaptability it enables user to reduce and optimize times during the development and the production of power supplies.

PRINCIPLE OF USE

Available windings:

- 6 windings with 1 turn
- 6 windings with 3 turns

The user determines their own configuration of the windings via the PCB layout - software provided PLAC 100 SOFT.

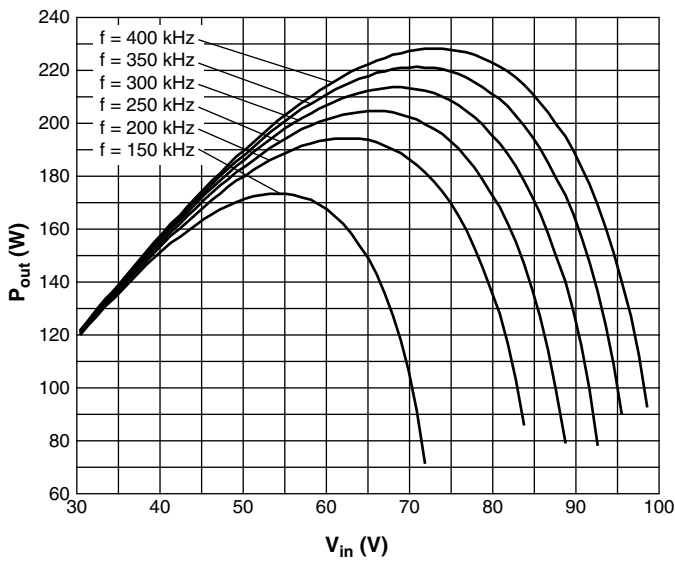


TECHNICAL DATA ALLOWING CONCEPTION		
B_{sat}	Saturation flux density	< 300 mT à 100 °C
A_e	Effective cross-sectional area of a core	113 mm ²
V_e	Effective volume of a core	4234 mm ³
R_{th}	Thermal resistance	22 °C/W
P_c	Core power loss	f: 50 kHz to 200 kHz (excluded) $P_c = 5.8 \times 10^{-6} f(\text{Hz})^{1.51} \left(\frac{B(T)}{2}\right)^{2.94}$ f: 200 kHz (included) to 400 kHz $P_c = 11 \times 10^{-9} f(\text{Hz})^{1.96} \left(\frac{B(T)}{2}\right)^{2.55}$ f: Frequency; B: Peak-peak flux density

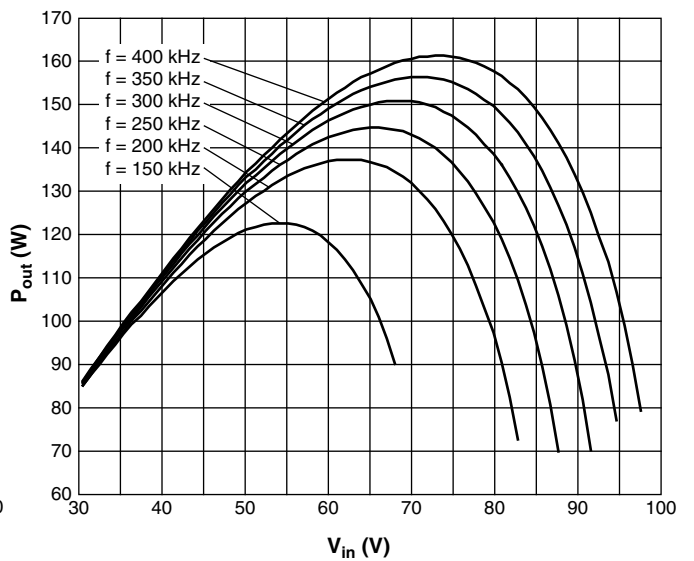
STANDARD ELECTRICAL SPECIFICATIONS				
MODEL	INDUCTANCE μH	POWER RANGE W	FREQUENCY kHz	POWER SUPPLY TOPOLOGY
PLAC 100	7 to 63	up to 220	50 to 400	Flyback; forward; push-pull; bridge; half-bridge

ELECTRICAL CHARACTERISTICS at 25 °C			
3 turn coil (13 to 24) Inductance without air gap (0.1 V, 10 kHz)		63 $\mu\text{H} \pm 25 \%$	
1 turn coil (1 to 12) Inductance without air gap (0.1 V, 10 kHz)		7 $\mu\text{H} \pm 25 \%$	
AI (nH) without air gap (UG)		7000	
AI (nH) expendable		100; 160; 250; 400; 630	
R_{DC} 1 turn coil (1 to 12) (typical value)		3 m Ω	
R_{DC} 3 turn coil (13 to 24) (typical value)		35 m Ω	
Hipot between 1 turn winding/3 turns winding with if < 100 μA		1000 V _{AC}	
Hipot between 1 turn winding with if < 100 μA		300 V _{AC}	
Hipot between 3 turn winding with if < 100 μA		300 V _{AC}	
Hipot between winding and ground with if < 100 μA		800 V _{AC}	

FORWARD: $P_{out\ max.}$; Duty cycle = 0.45



FLYBACK: $P_{out\ max.}$; Duty cycle = 0.45



MARKING

- Vishay trademark
- Part number
- Manufacturing date

TERMINALS FINISH

- e3 = Pure tin

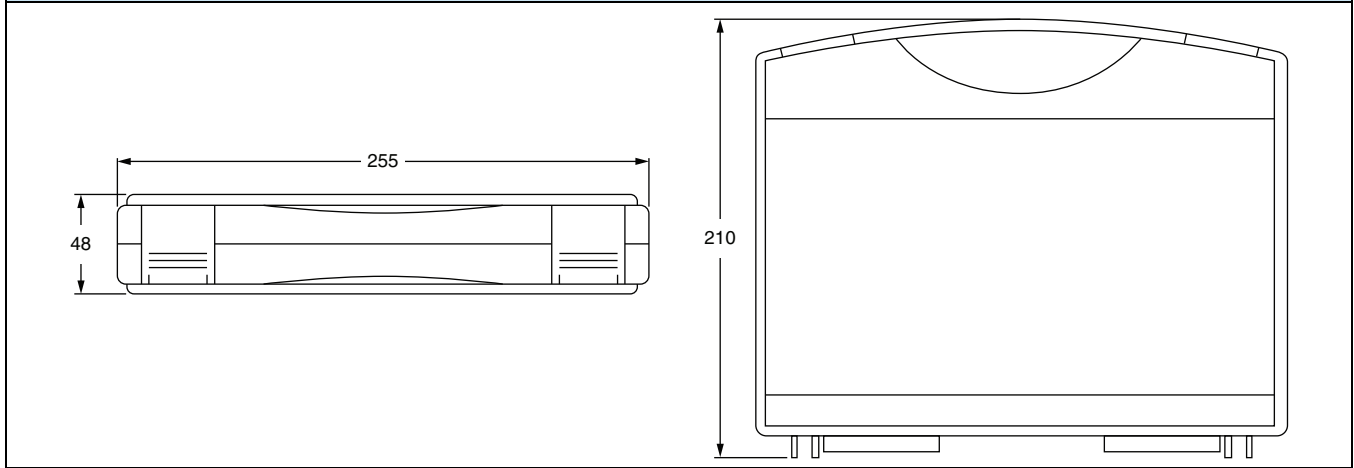
PACKAGING

- Box of 15 pieces

KIT WITH SOFTWARE FOR DESIGN SUPPORT ON PLAC 100 TRANSFORMER



DIMENSIONS in millimeters (± 10)



FEATURES OF SOFTWARE

- Interactive
- Directly executable
- Compatible with all versions of WINDOWS
- Available on USB key
- English and French languages
- Designed solutions on PDF format
- Kit includes
 - Software in USB key
 - One part of each type (through hole)
 - 12 female headers

HARDWARE REQUIREMENTS

- PC compatible, WINDOWS 2000, XP and VISTA
- Minimum processor Intel P3 or equivalent
- RAM 128 Mo minimum
- Screen resolution 1024 x 768 minimum
- Directly executable, no installation required

WARNING: This software is a support to technical designers. User is responsible to validate the solution in its own configuration.

KIT WITH VISHAY AZTRONIC (c) 2007-2014 CONFIGURATION PLAC 100 - V1.22

Input Data

Input Min Voltage: V_e 24.0 Volt
 Output Voltage: V_s 12.0 Volt
 Maximum power: P_{max} 100.0 Watt
 Input Max Voltage: V_e Max 70.0 Volt
 Frequency: F 200.0 KHz
 V Losses: V_p 1.500
 Wave %: 30.0
 Choke Inductance: []
 Solutions: All Only validate

Turns Nb	Comment	Np	Ns	M	A Max	I prms (A)	I srms (A)	AI (nH)
3 turns		3	2	0.6667	0.4219	5.0023	4.9094	7000.0000
1 turn		1	3	3.0000	0.0938	10.1688	2.3143	7000.0000
1 turn		2	3	1.5000	0.1875	7.1904	3.2730	7000.0000
1 turn		3	3	1.0000	0.2813	5.8710	4.0085	7000.0000
1 turn		4	3	0.7500	0.3750	5.0844	4.6287	7000.0000
1 turn		5	3	0.6000	0.4688	4.5476	5.1750	7000.0000

Details

A Max, M, AI	Current (A)	Losses (W) 100°C	Resistances (Ohm)
AMax: 0.463 m: 0.60 AI: 7000.0 L: 175.00	IP rms: 4.548 IS rms: 5.175 Imag: 0.321 IC: 4.535 I max: 4.857	PCUp: 0.614 PCUs: 0.412 PI: 0.124 PTDT: 1.563	Rp: 0.0297 Rs: 0.0154

Loss report: T°C 34.38, n 0.985
 Max Vin condition: Max Ve Possible 70.00

INPUT DATA

Type of power supply:

- Flyback
- Forward
- Push-pull
- Bridge
- Half-bridge

Electrical data:

- Input voltage (V)
- Output voltage (V)
- Power (W)
- Frequency (kHz)

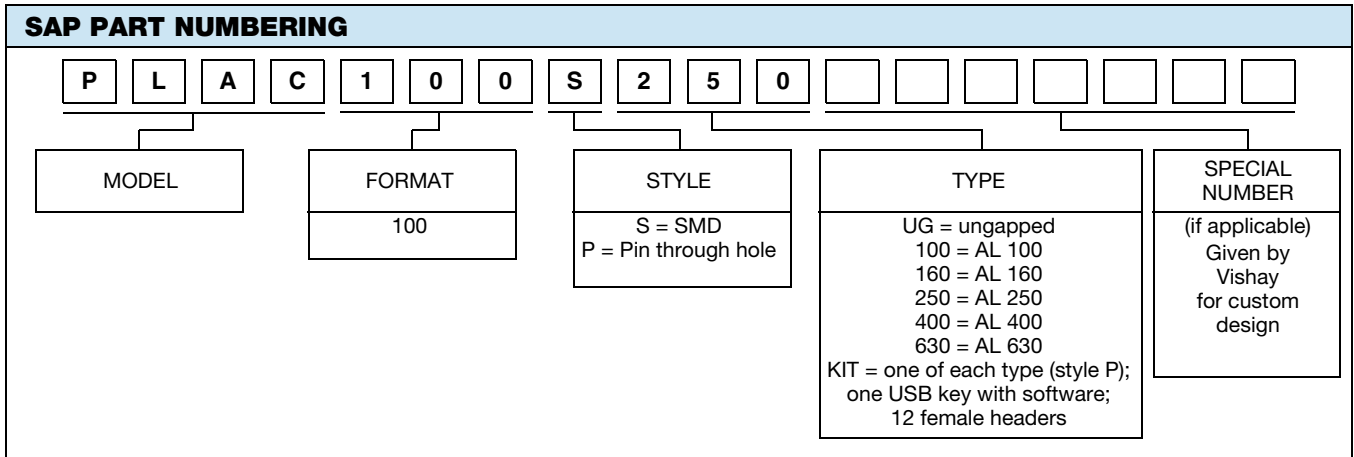
OUTPUT DATA

PCB layout

Electrical data:

- Maximum duty cycle
- Ratio
- Primary inductance (μH)
- Input and output current (A)
- Balance of power losses (W)
- Winding resistance (Ω)
- Difference between temperature inside PLAC 100 and ambient temperature

The software allows to calculate all data for the choke inductance when power supply structure needs it.



По вопросам продаж и поддержки обращайтесь:

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