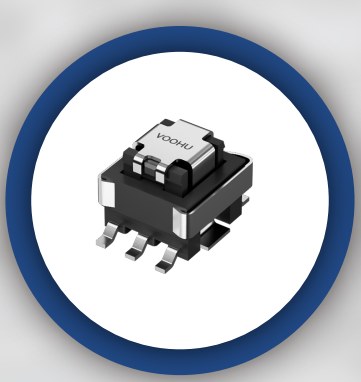
VOOHU 沃虎
选沃虎 · 真靠谱

电流互感器系列选型手册

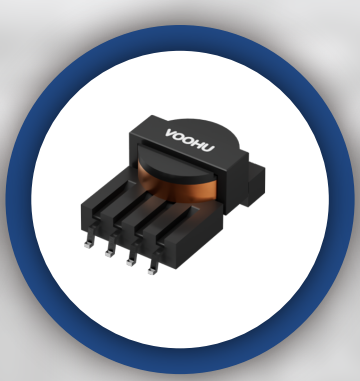
Current Transformer Series Selection Manual



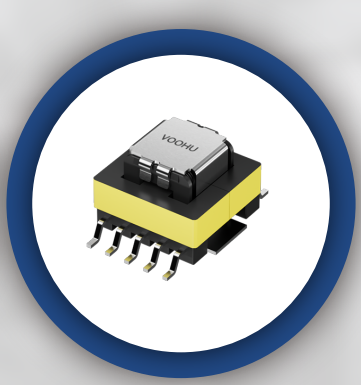
EE5系列
EE5 Series



EP7/EP10系列
EP7/EP10 Series



ER11系列
ER11 Series



EF12系列
EF12 Series

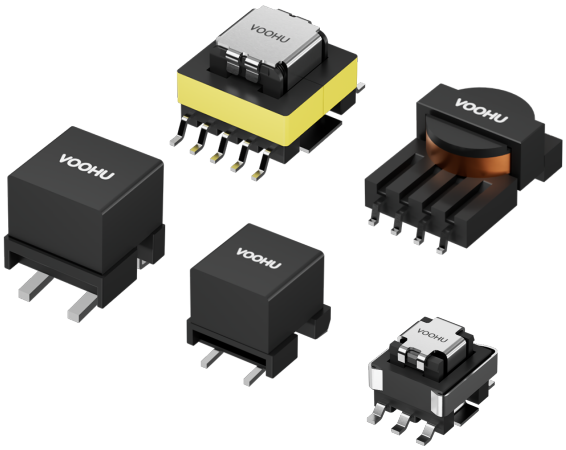
致力于成为世界一流的通信电子“元器件供应商”、“方案解决商”、“互联网电商”

Committed to becoming a world-class communications electronics
"Component supplier", "solution provider", "high-quality Internet e-commerce"

苏州沃虎电子科技有限公司
Suzhou VOOHU Electronic Technology Co., Ltd.

沃虎®电流互感器

RoHS COMPLIANT　REACH COMPLIANT　HALOGEN FREE



特性

- Compact and low profile
- For SMD assembly
- Frequency up to 1 MHz
- Primary current rating to 40 A
- Operating temperature: -40 °C to +130 °C

应用

- AC current detection
- Switch mode power supply
- Overload sensing
- Load drop/shutdown detection
- Metering
- Load measurements
- High frequency current sensing

随着对终端产品效率的日益关注，准确感应和监测电子电路中的电流的需求是至关重要的。电流感应磁性器件被用作感应电路中交流电流的低损耗方法，并在电流源和测量电路之间提供电气和安全隔离。电流感应互感器的关键参数是均方根电流额定值(以确保它在应用中不会过热)和安全和电压隔离(以确保它符合最终应用的要求)。敦源电子的电流感应变压器绝缘系统包括功能性绝缘，基础绝缘和加强型绝缘。此外，我们还可以为客户提供个性化的定制方案。

With The Increased Focus On End-product Efficiency The Need To Accurately Monitor Current In Electronic Circuits Is Paramount. Current Sense Magnetics Are Used As A Low Loss Method For Sensing AC Current In A Circuit And Also Provide Electrical And Safety Isolation Between The Source Of The Current And The Measurement Circuit. The Key Parameters For A Current Sense Transformer Are The Rms Current Rating (To Ensure It Does Not Overheat In The Application) And The Safety And Voltage Isolation (To Ensure It Conforms To The End-application Requirements). EEC's Current Sense Transformers Insulation Systems Including Functional, Basic And Reinforced. In Addition, We Can Also Provide Customers With Personalized Customized Solutions.

产品系列	WHPT-EE050系列	WHPT-EP070系列	WHPT-EP100系列	WHPT-ER115系列	WHPT-EF126系列
产品图片					
应用	**Energy** Microinverter Base Station	**Automotive** DC-DC Converter On-Board Charger	**Automotive** DC-DC Converter On-Board Charger	**Energy** Inverter DC-DC Converter	**Industrial** Motor Controls Automation
额定电流(A)	20	20	40	50	40
绝缘等级	FUNCTIONAL	FUNCTIONAL	REINFORCED	REINFORCED	FUNCTIONAL
绝缘电压	1000VDCA	3000VAC	3750VAC	1500VAC	3300V

电流互感器 - EE5系列

产品料号	Secondary Inductance (μH Min)	Current Rating (A Max)	Turns Ratio	DCR Pri (mΩ Max)	DCR Sec (mΩ Max)	Isolation (VDC)
WHPT-EE050-003	80	20	1:20	0.75	400	1000
WHPT-EE050-004	180	20	1:30	0.75	870	1000
WHPT-EE050-005	320	20	1:40	0.75	1140	1000
WHPT-EE050-006	500	20	1:50	0.75	1500	1000
WHPT-EE050-007	720	20	1:60	0.75	1980	1000
WHPT-EE050-008	980	20	1:70	0.75	3000	1000
WHPT-EE050-009	2000	20	1:100	0.75	5500	1000
WHPT-EE050-010	3000	20	1:125	0.75	6500	1000
WHPT-EE050-011	8000	20	1:200	0.75	33240	1000

NOTES:

1.Electrical Specifications @ 25°C.

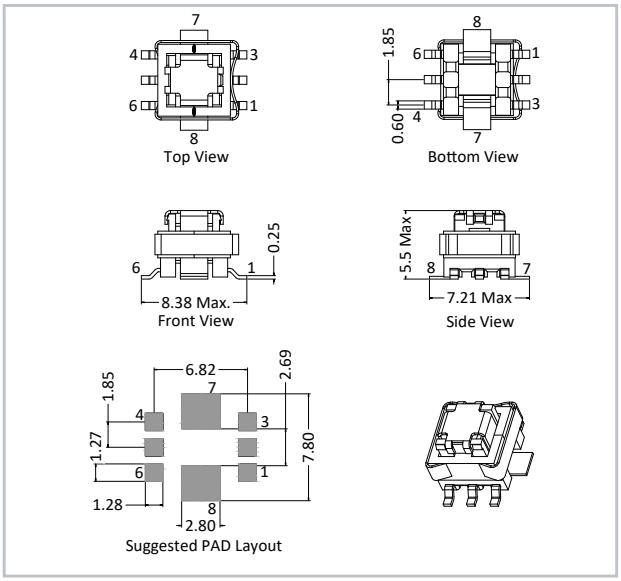
2.Inductance Measured At 100kHz , 0.1V.

3.DCR Measured Pri(Pin8-7) , Sec(Pin1-3).

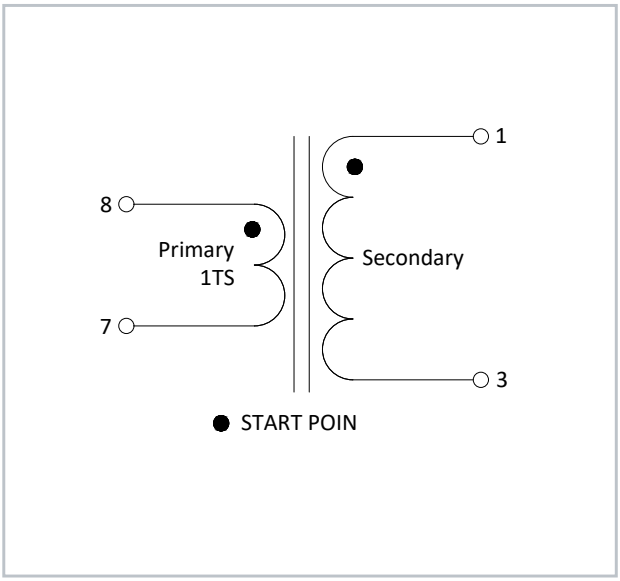
4.Operating Temperature Range :-40°C to +125°C.

5.All Information Is Reference Only. See Datasheet For Specific Information.

Dimensions: [mm]



Schematic:



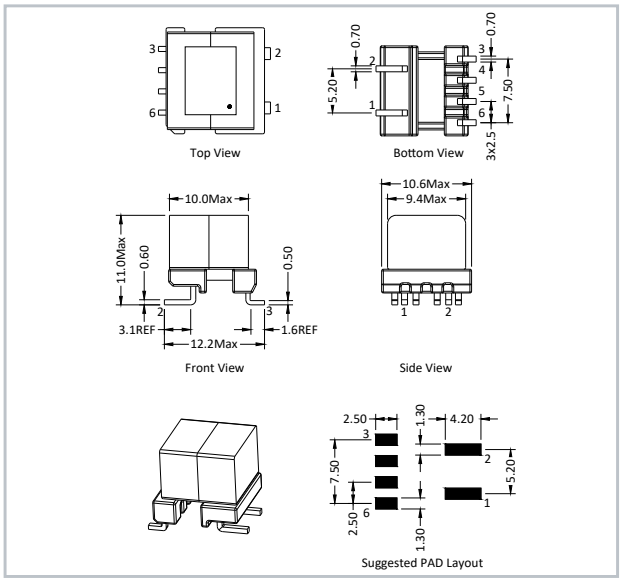
电流互感器 - EP7系列

产品料号	Secondar yInductance (mH Min)	Current Rating (A Max)	Turns Ratio	DCR Pri (mΩ Max)	DCR Sec (mΩ Max)	Isolation (VAC)
WHPT-EP070-020	1.70	20	1:50	1.90	2100	3000
WHPT-EP070-021	3.00	20	1:70	1.90	2900	3000
WHPT-EP070-022	7.00	20	1:100	1.90	5000	3000
WHPT-EP070-023	11.00	20	1:125	1.90	5300	3000
WHPT-EP070-024	25.00	20	1:180	1.90	7400	3000

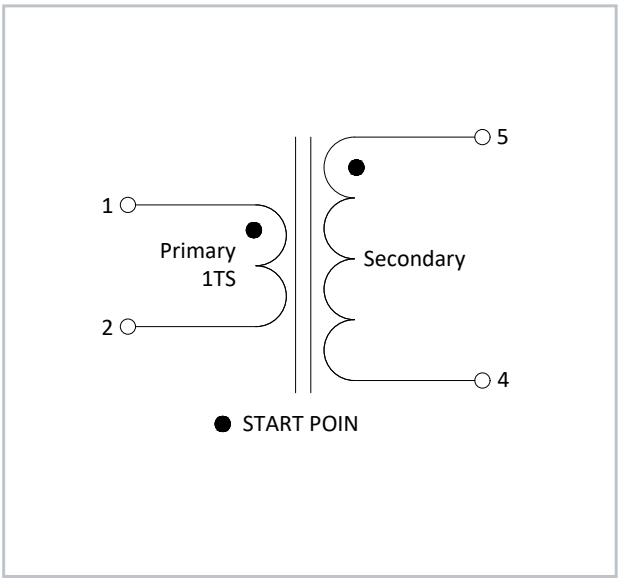
NOTES:

1.Electrical Specifications @ 25°C.
2.Inductance Measured At 100kHz , 0.1V.
3.DCR Measured Pri(Pin8-7) , Sec(Pin1-3).
4.Operating Temperature Range :-40°C to +125°C.
5.All Information Is Reference Only. See Datasheet For Specific Information.

Dimensions: [mm]



Schematic:



电流互感器 - EP10系列

产品料号	Secondar yInductance (mH Min)	Current Rating (A Max)	Turns Ratio	DCR Pri (mΩ Max)	DCR Sec (mΩ Max)	Isolation (VAC)
WHPT-EP070-016	1.7	40	1:50	0.5	1500	3750
WHPT-EP070-017	3.0	40	1:70	0.5	2100	3750
WHPT-EP070-018	7.0	40	1:100	0.5	3100	3750
WHPT-EP070-019	11.0	40	1:125	0.5	4000	3750
WHPT-EP070-020	25.0	40	1:180	0.5	9000	3750
WHPT-EP070-020	32.0	40	1:200	0.5	10400	3750

NOTES:

1.Electrical Specifications @ 25°C.

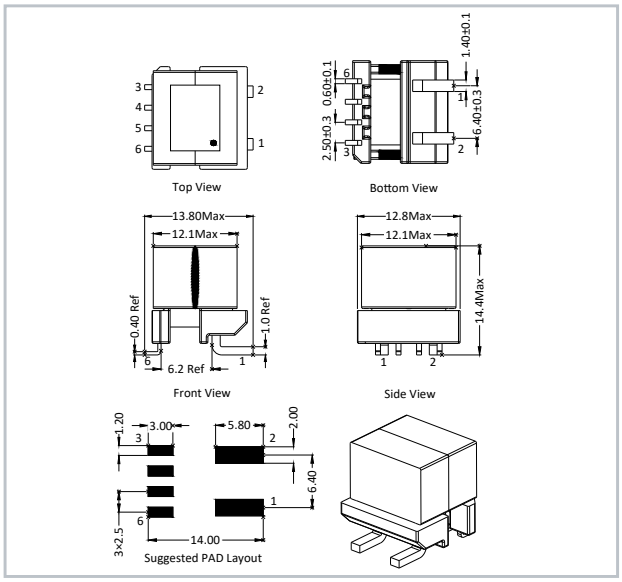
2.Inductance Measured At 100kHz , 0.1V.

3.DCR Measured Pri(Pin8-7) , Sec(Pin1-3).

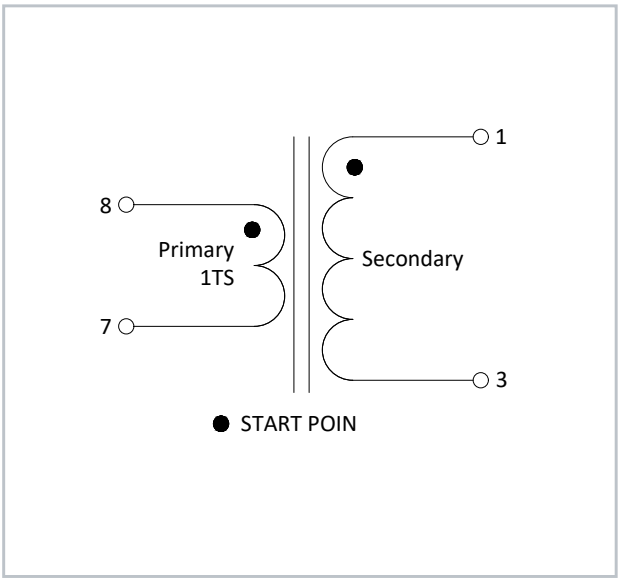
4.Operating Temperature Range :-40°C to +125°C.

5.All Information Is Reference Only. See Datasheet For Specific Information.

Dimensions: [mm]



Schematic:



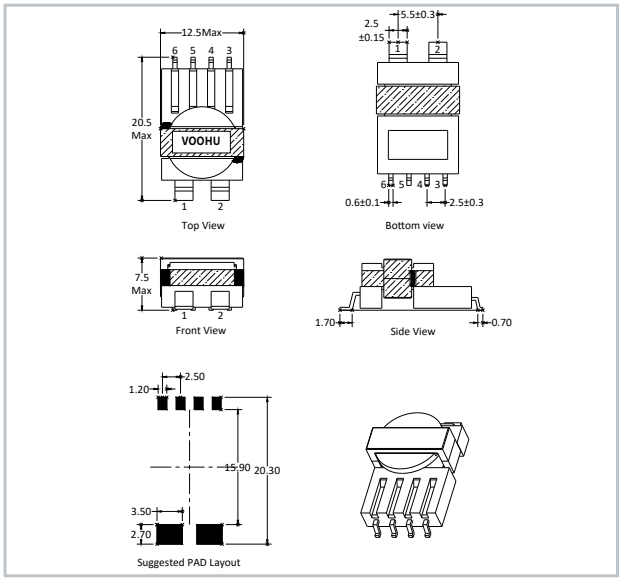
电流互感器 - ER11系列

产品料号	Secondar yInductance (mH Min)	Current Rating (A Max)	Turns Ratio	DCR Pri (mΩ Max)	DCR Sec (mΩ Max)	Isolation (VDC)
WHPT-ER115-010	0.3	50	1:30	0.56	240	3300
WHPT-ER115-005	1.1	50	1:50	0.56	600	3300
WHPT-ER115-006	4.5	50	1:100	0.56	2600	3300
WHPT-ER115-007	7.0	50	1:125	0.56	4200	3300
WHPT-ER115-008	10.0	50	1:150	0.56	6000	3300
WHPT-ER115-009	17.5	50	1:200	0.56	12000	3300

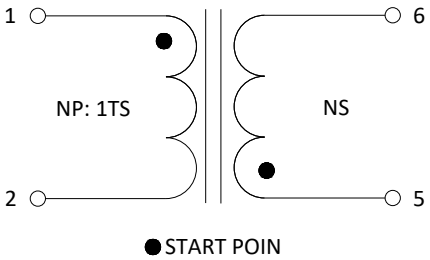
NOTES:

1.Electrical Specifications @ 25°C.
2.Inductance Measured At 100kHz , 0.1V.
3.DCR Measured Pri(Pin8-7) , Sec(Pin1-3).
4.Operating Temperature Range :-40°C to +125°C.
5.All Information Is Reference Only. See Datasheet For Specific Information.

Dimensions: [mm]



Schematic:



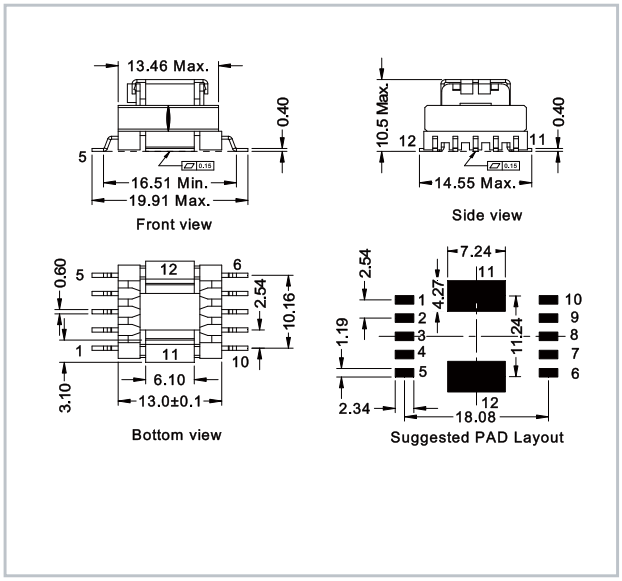
电流互感器 - EF12系列

产品料号	Secondar yInductance (mH Min)	Current Rating (A Max)	Turns Ratio	DCR Pri (mΩ Max)	DCR Sec (mΩ Max)	Isolation (VDC)
WHPT-EF126-003	1.4	40	1:50	0.28	400	1500
WHPT-EF126-004	5.6	40	1:100	0.28	1000	1500
WHPT-EF126-005	12.6	40	1:150	0.28	2200	1500
WHPT-EF126-006	22.4	40	1:200	0.28	2900	1500

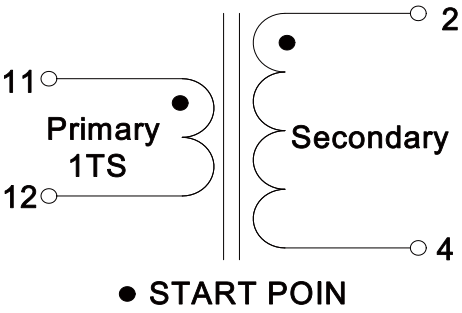
NOTES:

1.Electrical Specifications @ 25°C.
2.Inductance Measured At 100kHz , 0.1V.
3.DCR Measured Pri(Pin8-7) , Sec(Pin1-3).
4.Operating Temperature Range :-40°C to +125°C.
5.All Information Is Reference Only. See Datasheet For Specific Information.

Dimensions: [mm]



Schematic:



VOOHU 沃虎

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