Ferrite transformer

PRELIMINARY

5000m altitude application：XZM-E22299-H

FEATURES

Primary/Secondary Insulation：≥3750VAC;

Primary/Secondary Creepage distance：≥8.2mm;

Primary/Secondary Clearance distance：≥6.0mm;

Values of Creepage and clearance are based on:

- Max. 300Vrms of working voltage
- Overvoltage category II
- Reinforced insulation between primary and secondary windings;

Conforms to IEC61558-1: 2023, IEC61558-2-16: 2021;

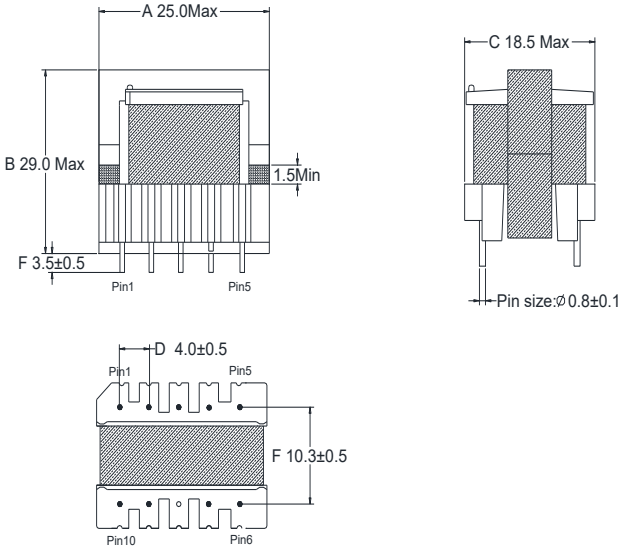
Conforms to GB/T 19212.1-2016, GB/T 19212.17-2019;

Custom design available

RoHS

CQC

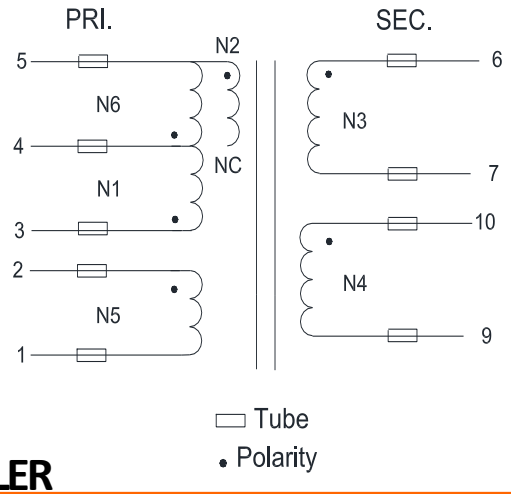
OUTLINE DRAWING: mm



ELECTRICAL SPECIFICATION

Inductance(L3-5)	1.23mH±10%@（120KHz,0.4V）
Leakage inductance (Le3-5)	30uH MAX@（120KHz,0.4V）
HI-POT Voltage （PRI.—SEC ）	AC 3.75KV 50/60Hz,5mA,1Min
HI-POT Voltage （PRI.,SEC.—CORE ）	AC 1.5KV 50/60Hz,5mA,1Min
Turns ratio (N1+N6:N3:N4:N5)	80:14:9:10
Operating temperature	-25~+120℃
Storage temperature	-25~+85℃

SCHEMATIC



WINDING SPECIFICATION

Winding	Start	End	Wire	Turns
N1	3	4	UEW	54
N2	5	NC	UEW	40 (ref.)
N3	6	7	OLTIW-B	14
N4	10	9	OLTIW-B	9
N5	2	1	UEW	10
N6	4	5	UEW	26

Ferrite transformer

PRELIMINARY

5000m altitude application: XZM-E32117-H

FEATURES

Primary/Secondary Insulation：≥3750VAC;

Primary/Secondary Creepage distance：≥8.2mm;

Primary/Secondary Clearance distance：≥6.0mm;

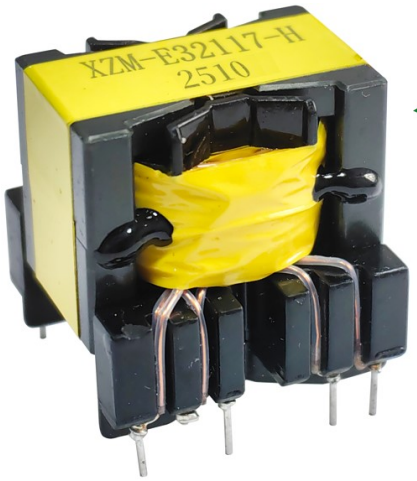
Values of Creepage and clearance are based on:

- Max. 300Vrms of working voltage
- Overvoltage category II
- Reinforced insulation between primary and secondary windings;

Conforms to IEC61558-1: 2023, IEC61558-2-16: 2021;

Conforms to GB/T 19212.1-2016, GB/T 19212.17-2019;

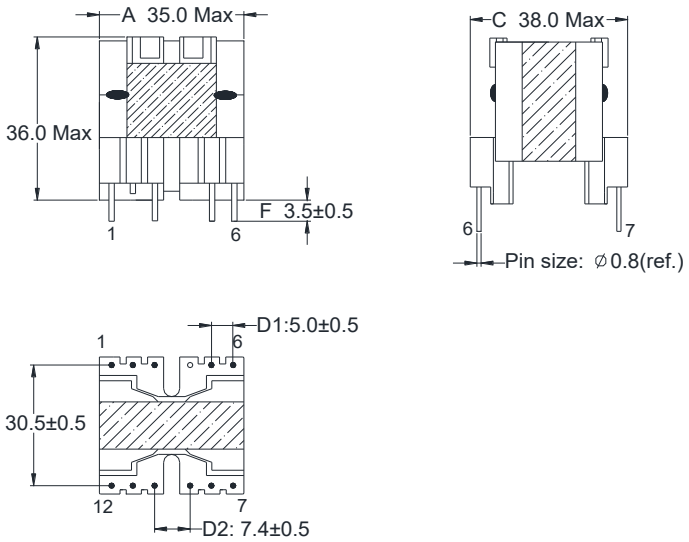
Custom design available



RoHS

cqc

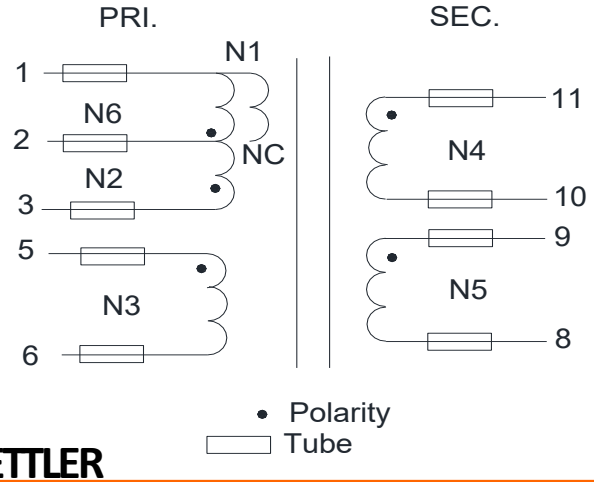
OUTLINE DRAWING: mm



ELECTRICAL SPECIFICATION

Inductance(L3-1)	370H±10%@（50KHz,1.0V）
Leakage inductance	12uH MAX@（50KHz,1.0V）
HI-POT Voltage （PRI.—SEC ）	AC 3.75KV 50/60Hz,5mA,1Min
HI-POT Voltage （PRI.,SEC.—CORE ）	AC 1.5KV 50/60Hz,5mA,1Min
Turns ratio (N2+N6:N3:N4:N5)	44:8:5:14
Operating temperature	-25~+120℃
Storage temperature	-25~+85℃

SCHEMATIC



WINDING SPECIFICATION

Winding	Start	End	Wire	Turns
N1	1	NC	UEW	15(ref.)
N2	3	2	UEW	24
N3	5	6	UEW	8
N4	11	10	OLTIW-B	5
N5	9	8	OLTIW-B	14
N6	2	1	UEW	20

Ferrite transformer

PRELIMINARY

DISCLAIMER

This product specification is to be used in conjunction with the application notes which can be downloaded from the regional ZETTLER magnetics websites. The specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.

ZETTLER GROUP

Building on a foundation of more than a century of expertise in German precision engineering, ZETTLER Group is a world-class enterprise, engaged in the design, manufacturing, sales and distribution of electronic components. Our industry leadership is based on a unique combination of engineering competence and global scale.

For more information on other ZETTLER Group companies, please visit zettler-group.com. For support on this product or other ZETTLER magnetics products, please visit one of the group sites below.

SITES FOR ZETTLER MAGNETICS

NORTH AMERICA

Zettler Magnetics, Inc,
www.zettlermagnetics.com

EUROPE

Zettler Electronics, GmbH
www.zettlerelectronics.com

office@zettlerelectronics.com

Zettler Electronics, Poland
www.zettlerelectronics.pl

office@zettlerelectronics.pl

CHINA

Zettler Group, China
www.zettlercn.com

ASIA PACIFIC

Zettler Electronics (HK) Ltd.
www.zettlerhk.com

sales@zettlerhk.com