

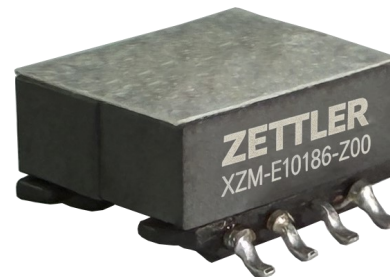
Automotive Transformer

New Product

Compact SMD Transformer: XZM-E10186-Z00

FEATURES

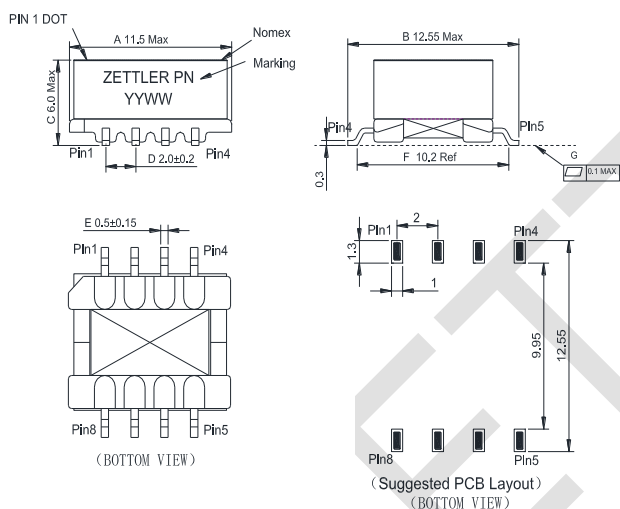
- Power: 1W Max
- Rated frequency: 200KHz Typ
- Primary/Secondary Insulation: $\geq 0.5\text{KVAC}$
- Miniaturized compact type:
 - Product Size: 11.5*12.55*6.0mm Max
 - Pin Flatness $\leq 0.1\text{mm}$
- Compliant with AEC_Q200
- Compliant with automated SMT
- Custom design available



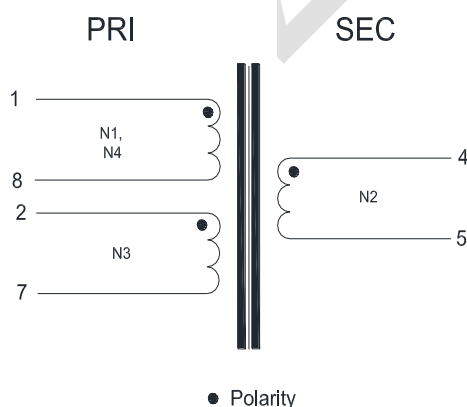
APPLICATIONS

Flyback type DC/DC converter transformer.

OUTLINE DRAWING: mm



SCHEMATIC



ELECTRICAL SPECIFICATION

Inductance(L1-8)	25uH±20% (100KHz,0.1V,SER)
Leakage inductance	(Le1-8)(4,5 short) 0.25uH MAX (100KHz,0.1V,SER)
Leakage inductance	(Le1-8)(2,7 short) 0.5uH MAX (100KHz,0.1V,SER)
DCR(1-8)	60 mΩ Max
DCR(2-7)	185 mΩ Max
DCR(4-5)	60 mΩ Max
HI-POT Voltage (PRI.—SEC)	AC 0.5KV 50/60Hz,2mA,1s
Turns ratio N1(/N4):N2:N3	1: 0.5: 0.5
Operating temperature	-40~+155℃ (Temperature rise included)
Storage temperature	-25~+80℃

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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.

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