



# P&Z ELECTRONICS CO.,LTD

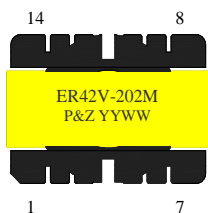
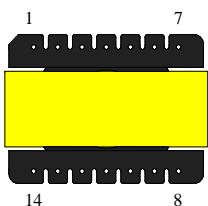
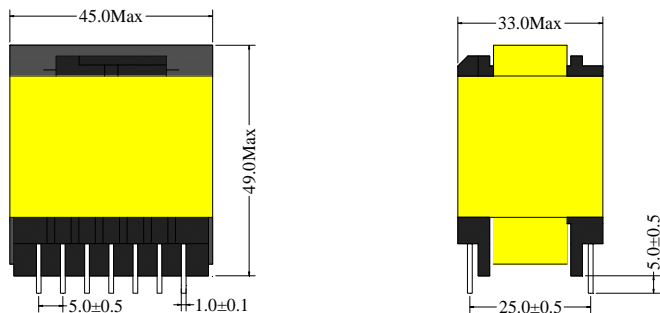
ER42 transformer

Web:<http://www.dgpinzhan.com>

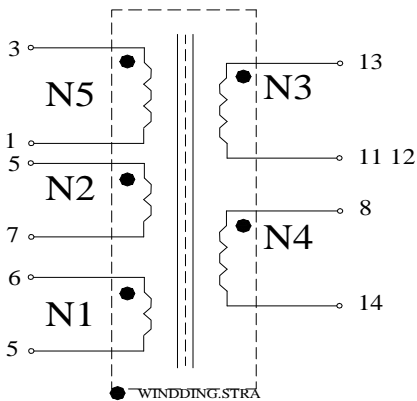
E-mail:[sales@dgpinzhan.com](mailto:sales@dgpinzhan.com)

Part Code	Date	Production	Type	Version	Page
PZ-ER42V-202M	2016/6/20	Tom	DIP	A001	1

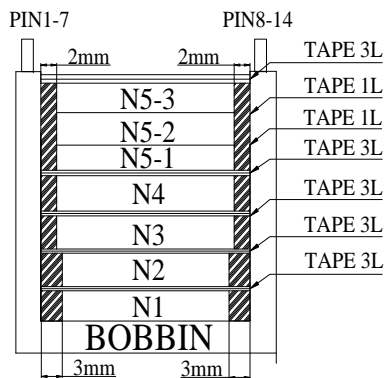
## 1. Dimensions: [mm]



## 2. Schematic:



## 3. Winding construction:



## 4. General Properties:

It is recommended that the temperature of the component does not exceed +125°C under worst case conditions.

Storage Temperature:	-20 °C up to +60 °C
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Operating Temperature:	-40 °C up to +125 °C
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Temperature Rise < 55K.

Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently.

## 5. Electrical Properties:

Properties	Test conditions	Value	Unit	Tolerance
Inductance:1-3	50KHZ/1V	2000	uH	Min
Leakage:1-3	50KHZ/1V short other	10	uH	Max
DC-resistance:1-3	@25 °C	480	mΩ	Max
DC-resistance:6-7	@25 °C	210	mΩ	Max
DC-resistance:13-11, 12	@25 °C	15	mΩ	Max
DC-resistance:8-14	@25 °C	16	mΩ	Max
Turns ratio:	N1:N2	1:1		±3%
Turns ratio:	N1:N3	0.5:1		±3%
Turns ratio:	N3:N4	1:1		±3%
Turns ratio:	N1:N5	0.19:1		±3%
Hi-pot: Pri-Sec	AC1500V/3mA/3S		V/(AC)	Pass
Hi-pot: Pri/Sec-Core	AC500V/3mA/3S		V/(AC)	Pass