

		REVISIONS			
		REV.	DESCRIPTION	ECN NO.	DATE
		01	FIRST RELEASE FOR RFQ#A2014-13459	N/A	06/10/14
		02	UPDATE DESIGN AS CUSTOMER'S REQUEST	EE16116	10/10/14
		03	UPDATE DESIGN AS CUSTOMER'S REQUEST	EE16187	11/14/14

PART NUMBER		PART DESCRIPTION		TITLE	
835-01300F		RoHS compliant per EU Directive 2011/65/EU		PXFM, ETD29, 550uH, TH, 14Pin	

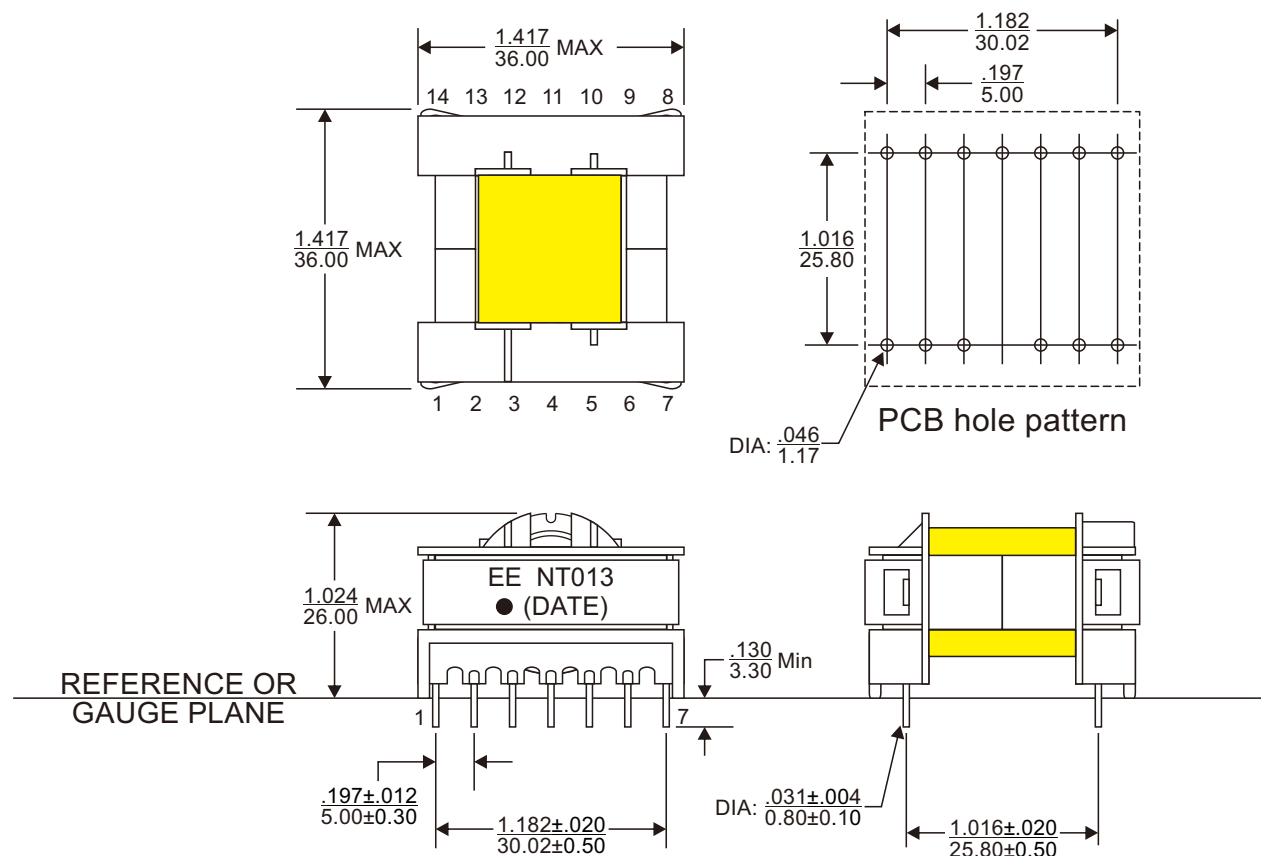
<u>WARNING !</u> ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm. <u>TOLERANCE ARE:</u> <table> <tr> <td>INCH</td> <td>mm</td> <td>ANGLE</td> </tr> <tr> <td>.XXX ± .005</td> <td>.XX ± .13</td> <td>X.X ± 0.3</td> </tr> <tr> <td>.XX ± .02</td> <td>.X ± .5</td> <td>X. ± 1</td> </tr> </table>	INCH	mm	ANGLE	.XXX ± .005	.XX ± .13	X.X ± 0.3	.XX ± .02	.X ± .5	X. ± 1	APPROVALS	DATE	 E & E Magnetic Products Ltd.	
		INCH	mm	ANGLE										
		.XXX ± .005	.XX ± .13	X.X ± 0.3										
		.XX ± .02	.X ± .5	X. ± 1										
		DRAWN BY												
		PROJ. ENG	B.XU	11/14/14	DRAWING NO./MODEL									
APPROVED BY	S.HONG	11/14/14												
	J.YANG	11/14/14	835-01300F											
Q.A.	D.LUO	11/14/14												
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PAGE 4 IS FOR INTERNAL ONLY



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DRAWING NO./MODEL		REV
835-01300F		03
SCALE	PAGE	OF
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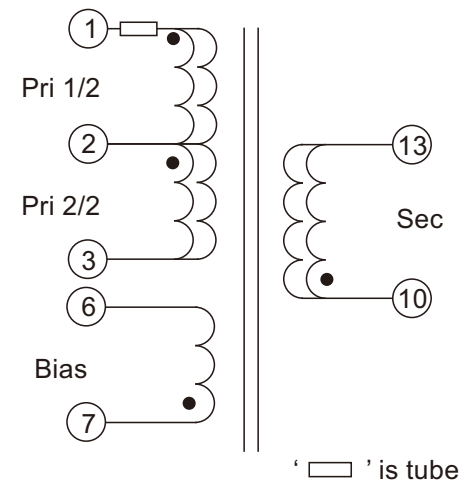
MECHANICAL OUTLINE

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DRAWING NO./MODEL		REV
835-01300F		03
SCALE	PAGE	OF
DO NOT SCALE	2	4

1. Dimension are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
2. Unless otherwise specified, all tolerance are $\pm \frac{.010}{0.25}$.
3. "(DATE)" includes at least the manufacturing date code(in YYWW format) plus manufacturing site code. .
4. Remove PIN 4.

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMIT
Turns Ratio(1-2):(2-3):(7-6):(10-13)	-	1 : 1 : 0.267 : 0.7 ± 2%
Polarity	-	As per schematic
Ls(1-3)@1kHz, 1Vrms	uH	550 ± 5%
Hipot(1-2-3-6-7):(10-13)@5mA,1 Min.	Vrms	3000



SCHEMATIC

- Operating temperature range: -40°C to +125°C. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- The transformer is designed to meet reinforced insulation.(Creepage distance between Pri.-Sec.=6.4mm)

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DRAWING NO./MODEL		REV
835-01300F		03
SCALE	PAGE	OF
DO NOT SCALE	3	4