


SAFETY CRITICAL

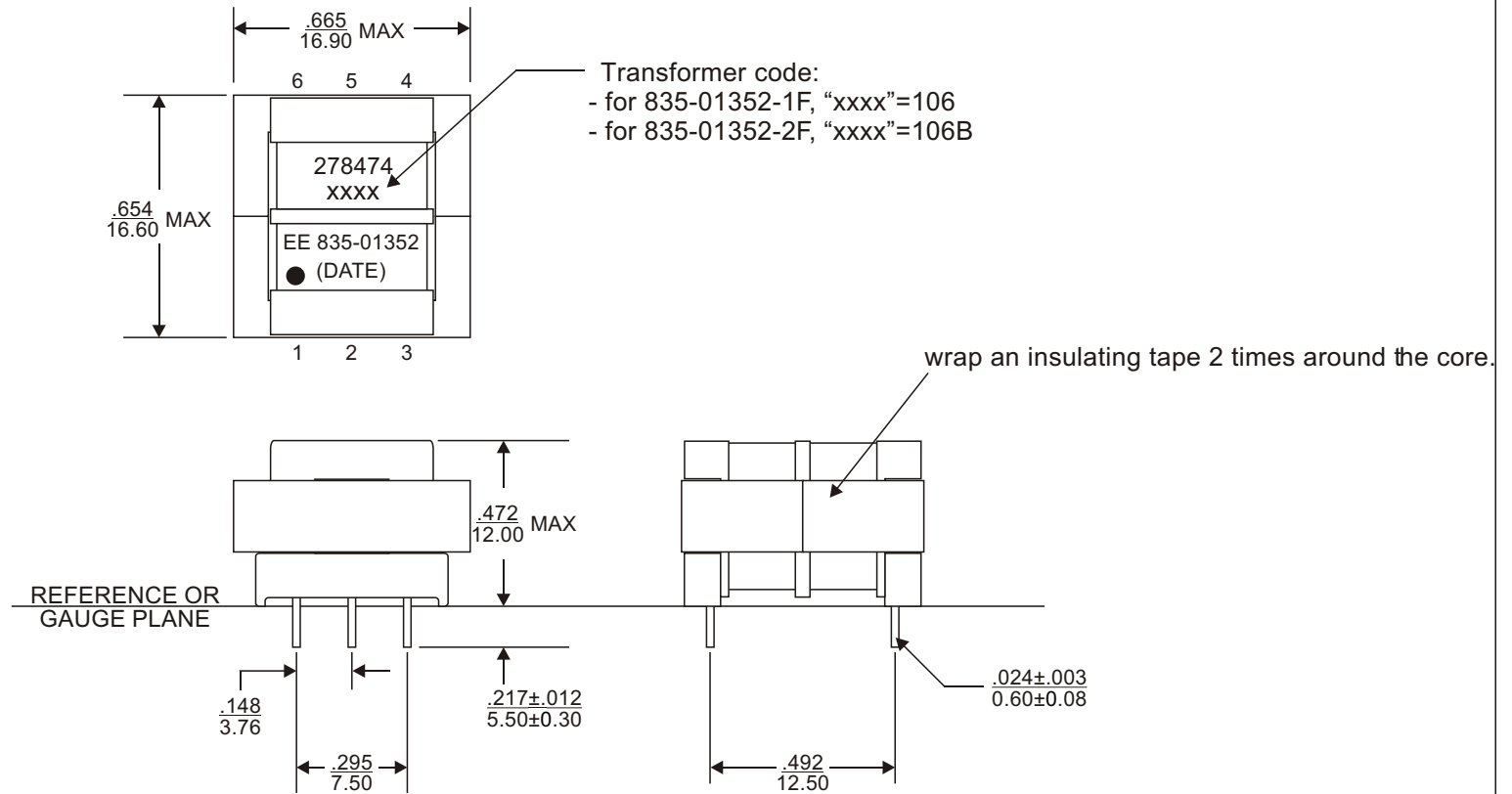
REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#A2015-13868	N/A	05/05/15
02	CHANGE THE HIPOT DESCRIPTION AS PER CUSTOMER ADVICE	EE16698	07/13/15

Important Note:

No substitution of material is authorized without customer approval.

PAGE 4 IS FOR INTERNAL USE

PART NUMBER	PART DESCRIPTION		TITLE										
835-01352F	RoHS compliant per EU Directive 2011/65/EU		PXFM, EE16, TH, 4 PIN, 278474										
<p>WARNING !</p> <p>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</p>	<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.</p> <p>TOLERANCE ARE:</p> <table border="0"> <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	 <p>E & E Magnetic Products Ltd.</p>
		INCH	mm	ANGLE									
		.XXX ± .005	.XX ± .13	X.X ± 0.3									
		.XX ± .02	.X ± .5	X. ± 1									
		DRAWN BY	S.HONG	07/13/15	DRAWING NO./MODEL								
PROJ. ENG	S. HONG	07/13/15											
APPROVED BY	J. YANG	07/13/15	835-01352F										
Q.A.	D. LUO	07/13/15											
SCALE		PAGE 1 OF 4		REV 02									
DO NOT SCALE													



MECHANICAL OUTLINE



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835-01352F

REV

02

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1. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$
3. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two manufacturing site code.
4. Pin 2 and pin 6 are removed in the design for mechanical polarization.

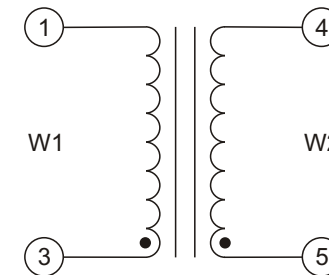
List of Specified Materials

Material	Manufacturer	Manufacturer 's P/N	Remark
Coil Former	Norwe	92392 - 243	
Ferrite Core	Epcos	B66307G0000X130	AL=1120nH-1820nH, Marking:106 (for 835-01352-1F)
	Tomita	2G1-EE-16F	AL=1650nH-2750nH, Marking:106B (for 835-01352-2F)
Insulation Tape	3M	#56	
Varnish	Dolph	BC-359	

ELECTRICAL SPECIFICATION @23 C:

PARAMETERS	UNIT	LIMITS
5. Turns Ratio(1-3):(4-5)	-	1.4965-1.5035
5. Polarity	-	Per Schematic
5. Ls(1-3)@1kHz, 1.0Vpp, for 106 only (835-01352-1F)	mH	49.4 - 80.3
5. Ls(1-3)@1kHz, 1.0Vpp, for 106B only (835-01352-2F)	mH	72.8 - 121.3
5. Ls(4-5)@1kHz, 1.0Vpp, for 106 only (835-01352-1F)	mH	22.0 - 35.7
5. Ls(4-5)@1kHz, 1.0Vpp, for 106B only (835-01352-2F)	mH	32.3 - 53.9
DCR(1-3)		7.6 Typ
DCR(4-5)		3.1 Typ
5. Hipot(1-3):(4-5), 1800Vrms, 48-62Hz, 2 seconds	mA	5.0 Max

5. These tests are 100% tests.



SCHEMATIC



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