

		REVISIONS			
		REV.	DESCRIPTION	ECN NO.	DATE
		01	FIRST RELEASE	N/A	11/12/14

When ordering, please add suffix "T" to the part number for tape & reel packaging (330mm reel).

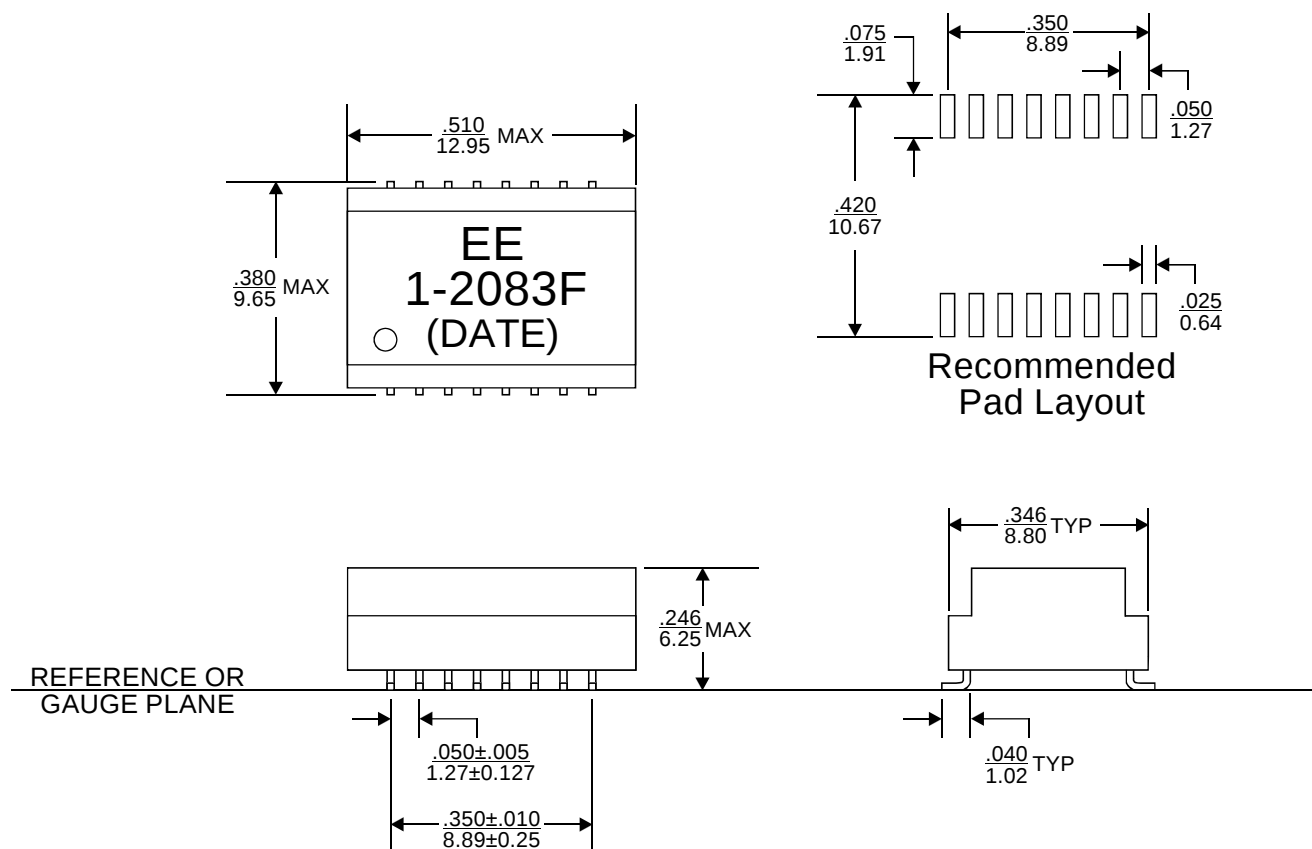
PART NUMBER	PART DESCRIPTION
821-02083F	RoHS compliant per EU Directive 2011/65/EU

PAGE 4 & 5 ARE FOR INTERNAL ONLY

TITLE

TRANSFORMER, T1/E1/CEPT/ISDN-PRI,
DUAL, SOIC, 16 PIN, EXT. TEMP.

<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. TOLERANCE ARE: <table> <tr> <td>INCH</td> <td>mm</td> <td>ANGLE</td> </tr> <tr> <td>.XXX ± .005</td> <td>.XX ± 0.13</td> <td>X.X ± 0.3</td> </tr> <tr> <td>.XX ± .02</td> <td>.X ± 0.5</td> <td>X. ± 1</td> </tr> </table>	INCH	mm	ANGLE	.XXX ± .005	.XX ± 0.13	X.X ± 0.3	.XX ± .02	.X ± 0.5	X. ± 1	APPROVALS	DATE	 E & E Magnetic Products Ltd.
		INCH	mm	ANGLE									
		.XXX ± .005	.XX ± 0.13	X.X ± 0.3									
		.XX ± .02	.X ± 0.5	X. ± 1									
		DRAWN BY			DRAWING NO./MODEL 821-02083F								
		Y.L. YUNG		11/12/14									
PROJ. ENG													
Y.L. YUNG		11/12/14											
APPROVED BY													
D. YUNG		11/12/14	REV 01										
Q.A.													
D. LUO		11/12/14	SCALE	PAGE	OF								
			DO NOT SCALE	1	5								



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. Coplanarity: $\frac{.004}{0.10}$ max.
4. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.

MECHANICAL OUTLINE



E & E Magnetic Products Ltd.

DRAWING NO./MODEL

821-02083F

REV

01

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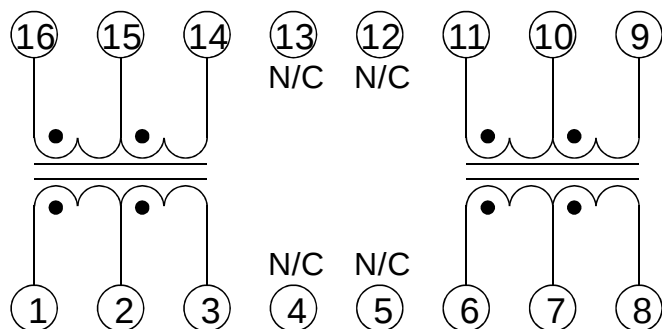
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SCHEMATIC

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(16-15-14):(1-2-3)	-	1CT : 1.15CT $\pm$ 3%
Turns Ratio(6-7-8):(11-10-9)	-	1CT : 1CT $\pm$ 3%
Polarity	-	Per Schematic
OCL(16-14) @10kHz, 0.1Vrms	mH	1.5 Typ
OCL(6-8) @10kHz, 0.1Vrms	mH	1.5 Typ
LL(16-14), short 1,2,3 @100kHz, 1.0Vrms	uH	0.5 Max
LL(6-8), short 11,10,9 @100kHz, 1.0Vrms	uH	0.5 Max
Cww(16-14):(1-3) @100kHz, 1.0Vrms	pF	35 Max
Cww(6-8):(11-9) @100kHz, 1.0Vrms	pF	35 Max
DCR(16-14)	Ω	0.8 Max
DCR(6-8)	Ω	0.8 Max
Isolation(16-14):(1-3)	Vrms	1500 Min
Isolation(6-8):(11-9)	Vrms	1500 Min
Crosstalk @0.1-10MHz	dB	60 Typ

5. Operating Temperature: -40°C to +85°C.



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