

REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	11/03/15

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

**PAGE 4 & 5 ARE FOR INTERNAL ONLY**

TITLE

TRANSFORMER, QUAD, SMD, 16 PIN

PART NUMBER	PART DESCRIPTION
821-02090F	RoHS compliant per EU Directive 2011/65/EU

**WARNING !**  
 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:

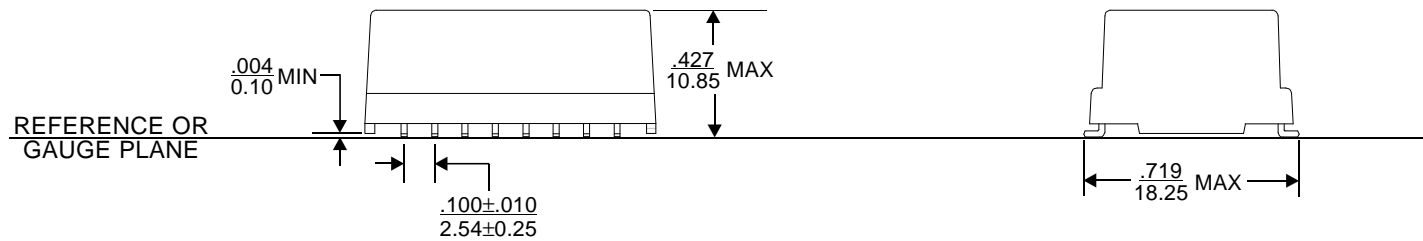
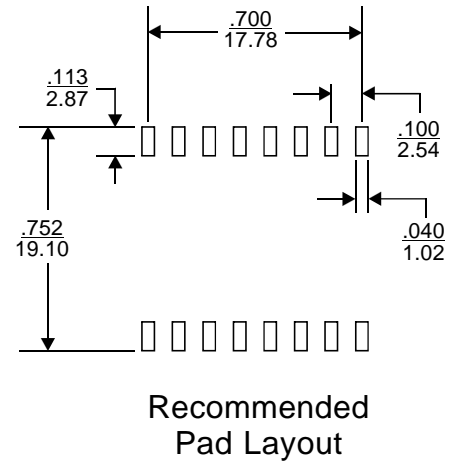
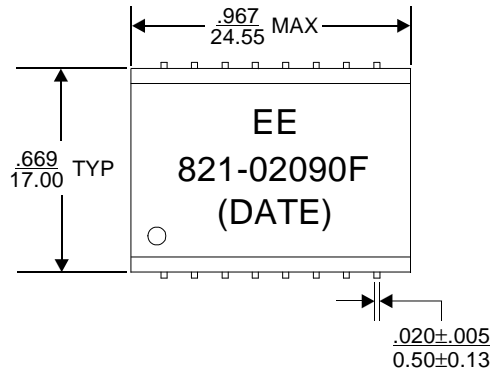
INCH	mm	ANGLE
.XXX ± .005	.XX ± .13	X.X ± 0.3
.XX ± .02	.X ± .5	X. ± 1

APPROVALS	DATE
DRAWN BY Y.L. YUNG	11/03/15
PROJ. ENG Y.L. YUNG	11/03/15
APPROVED BY D. YUNG	11/03/15
Q.A. D. LUO	11/03/15

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1. Dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in mm.
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



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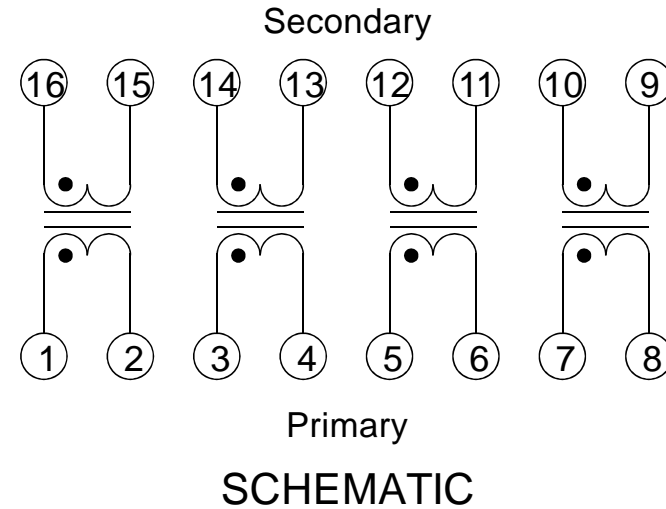
OF

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**ELECTRICAL SPECIFICATION @25°C:**

PARAMETERS	UNIT	LIMIT
Turns Ratio(Primary):(Secondary)	-	1 : 1 ± 2%
Polarity(Primary):(Secondary)	-	Per Schematic
Inductance(Primary) @100KHz, 0.1Vrms, 8mADC	uH	350 Min
Cww(Primary):(Secondary) @100KHz, 0.1Vrms	pF	12 Max
LL(Primary), short Secondary @100KHz, 0.1Vrms	uH	0.28 Max
DCR(Primary)	Ω	0.72 Max
DCR(Secondary)	Ω	0.48 Max
HIPOT(Primary):(Secondary)	Vrms	4000 Min
Crosstalk @1-100MHz	dB	30 Min

5. Operating temperature: 0°C to +70°C.
6. The part is designed to meet IEC 60950-1 reinforced insulation with working voltage up to 250Vrms.
7. Clearance is 4mm minimum and creepage is 5mm minimum.



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