
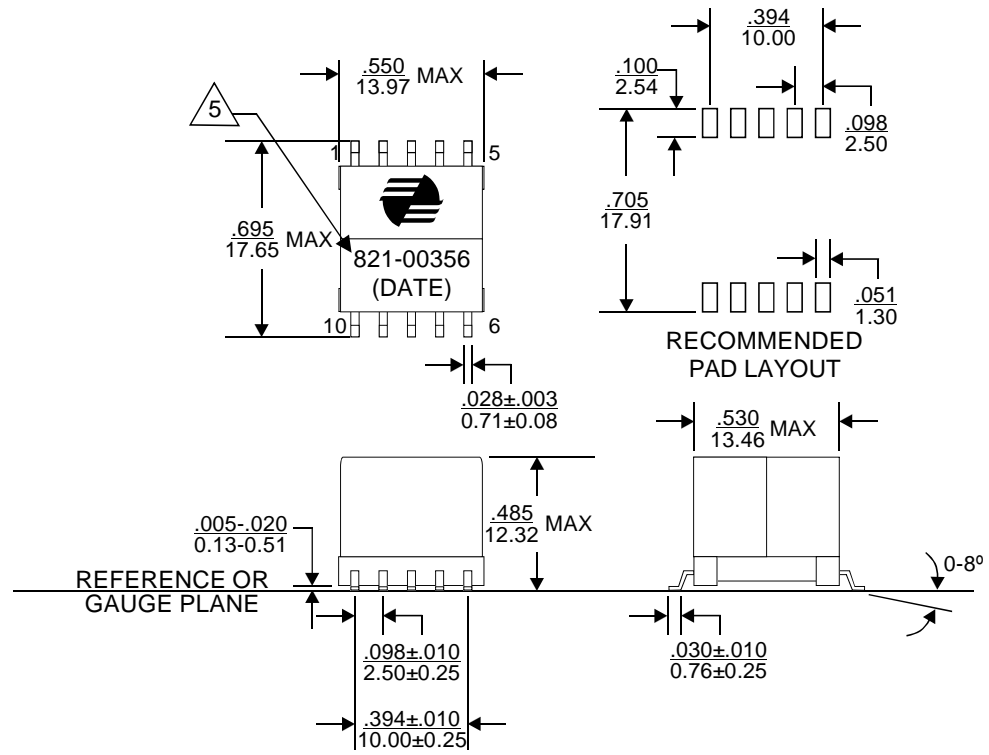


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#D00-1633	N/A	06/01/00
02	REVISE MECHANICAL DIMENSIONS	EE1030	07/06/00
03	REVISE MECHANICAL DIMENSIONS	EE1404	02/14/01
04	ADD RoHS COMPLIANT VERSION INTO DRAWING	EE8772	11/06/06

PAGE 4 IS FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION	TITLE										
821-00356	Standard version, with Lead(Pb)	TRANSFORMER, EP13, SMT, 10 PIN										
821-00356F	RoHS compliant per EU Directive 2002/95/EC(without exemption of solder content)											
<p align="center"><u>WARNING !</u></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 align="center"><u>TOLERANCE ARE:</u></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
		INCH	mm	ANGLE								
		.XXX ± .005	.XX ± .13	X.X ± 0.3								
		.XX ± .02	.X ± .5	X. ± 1								
		DRAWN BY	W.P. CHENG	11/06/06								
PROJ. ENG	W.P. CHENG	11/06/06										
APPROVED BY	V. TSUI	11/06/06										
Q.A.	C.M. TSUI	11/06/06										
		 E & E Magnetic Products Ltd.										
		DRAWING NO./MODEL	REV									
		821-00356	04									
		SCALE	PAGE OF									
		DO NOT SCALE	1 OF 4									



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.
- ⚠ For RoHS compliant version, 821-00356F, the part will be marked with "821-00356F", instead of "821-00356".

MECHANICAL OUTLINE

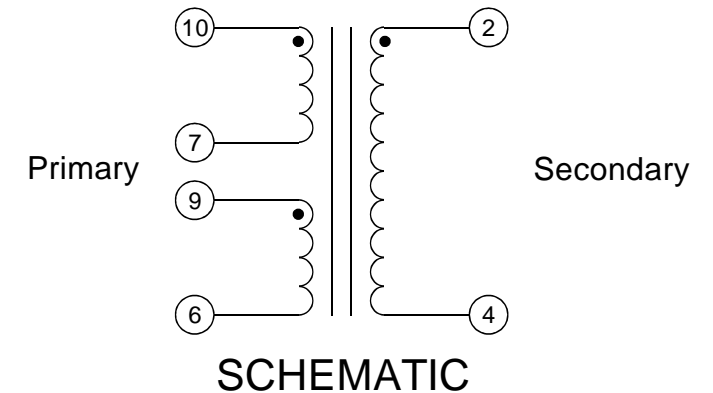



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ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(10-6):(2-4), short 7+9	-	2 : 1 ± 1%
Polarity(10-6):(2-4), short 7+9	-	Per Schematic
Ls(10-6)@10KHz, 0.10Vrms, short 7+9, 0-160mA	mH	2.0 ± 6%
DCR(10-7)	Ω	1.10 ± 10%
DCR(9-6)	Ω	1.10 ± 10%
DCR(2-4)	Ω	0.785 ± 10%
LL(10-6), Short 7+9, 2+4@100KHz, 0.1Vrms	uH	11.0 Max
Hipot(10-7-9-6):(2-4), 1 second	Vrms	1500 Min
Return Loss@40K-300KHz	dB	16.50 Min
Insertion Loss@300KHz	dB	0.50 Max
Frequency Response@40K-300KHz	dB	± 1.0
THD@40KHz, 14dBm	dB	-70.0 Max
Longitudinal Balance@300-300KHz	dB	50.0 Min



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6. The transformer is designed to reflect 135 ohms on the primary with 32 ohms on the secondary.
7. The transformer is designed to meet UL1459 safety standard.