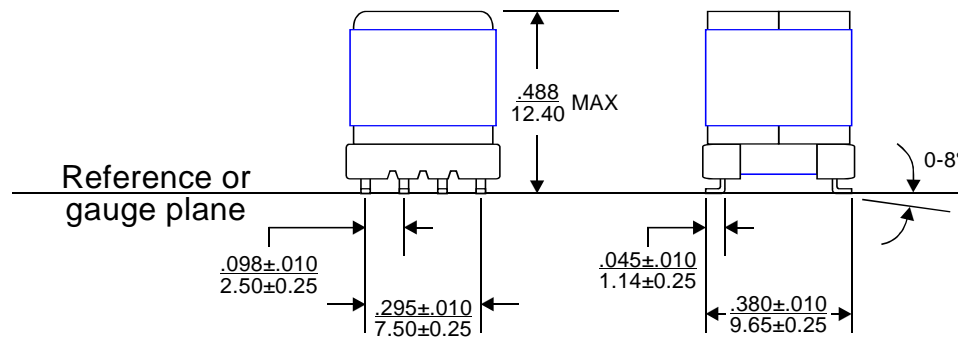
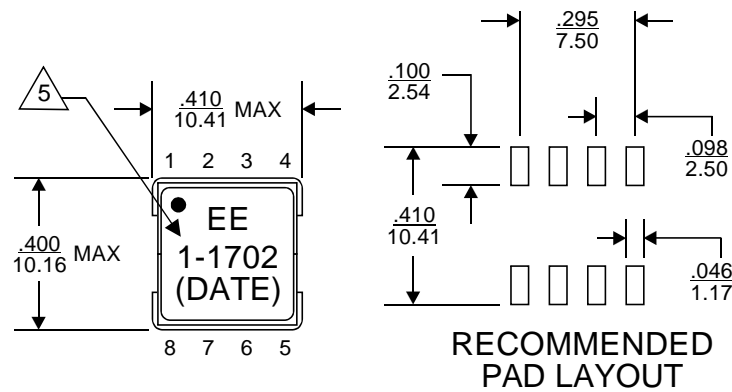


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#D2004-5256	N/A	04/07/04
02	UPDATE DRAWING	EE7730	01/04/06

PAGE 4 & 5 ARE FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION	APPROVALS		DATE	TITLE										
821-01702	Standard version, with Lead(Pb)	DRAWN BY	B. MAK	01/04/06	TRANSFORMER, SHDSL/HDSL2/HDSL4, SMT, 8 PIN, EXT. TEMP.										
821-01702F	RoHS compliant per EU Directive 2002/95/EC(without exemption of solder content)	PROJ. ENG	W.P CHENG	01/04/06	E & E Magnetic Products Ltd.										
<p style="text-align: center;"><b><u>WARNING !</u></b></p> <p>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&amp;E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</p>	<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.</p> <p style="text-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	APPROVED BY	V. TSUI	01/04/06	DRAWING NO./MODEL	REV
		INCH	mm	ANGLE											
		.XXX ± .005	.XX ± .13	X.X ± 0.3											
		.XX ± .02	.X ± .5	X. ± 1											
Q.A.	C.M. TSUI	01/04/06	<b>821-01702</b>	<b>02</b>											
					SCALE	PAGE 1 OF 5									
					<b>DO NOT SCALE</b>	<b>1 OF 5</b>									



## MECHANICAL OUTLINE



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DRAWING NO./MODEL

821-01702

REV

02

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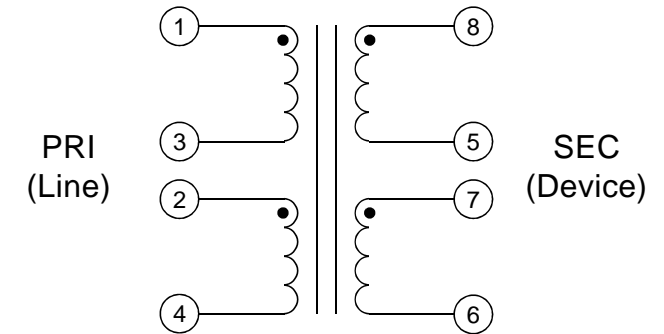
OF

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.
5. For RoHS compliant version, 821-01702F, the part will be marked with "1-1702F", instead of "1-1702".
6. Dimensions are to be measured in accordance with JEDEC standard 95-1.

**ELECTRICAL SPECIFICATION @25°C:**

PARAMETERS	UNIT	LIMITS
Turns Ratio(1-4):(8-6), short 2-3, 5-7	-	0.7 : 1 ± 2%
Polarity	-	Per Schematic
Ls(1-4)@10kHz, 1.0Vrms, 0-60mADC, short 3+2	mH	3.2 ± 7%
LL(1-4), tie 3&2, short 8-6, tie 5-7@100kHz, 0.1Vrms	uH	15 Max
Cww(1):(8)@10kHz, 1Vrms, tie 3&2, 5&7, for reference only	pF	200 Max
THD@5kHz, 4Vrms across PRI, short 3+2	dB	-76 Max
DCR(1-4), tie 3&2, for reference only	Ω	9.0 Max
DCR(8-6), tie 5&7, for reference only	Ω	24.0 Max
Hipot(1-3-2-4):(8-5-7-6), 1 minute	Vrms	1500 Min
Hipot(1):(2), 1 minute	Vrms	600 Min
Longitudinal Balance@20kHz-500kHz, for reference only	dB	45 Min
Insertion Loss@100kHz, for reference only	dB	0.70 Max
Return Loss@40kHz-500kHz, for reference only	dB	15.0 Min
Return Loss@20kHz, for reference only	dB	14.0 Min



**SCHEMATIC**



**E & E Magnetic Products Ltd.**

DRAWING NO./MODEL		REV
<b>821-01702</b>		<b>02</b>
SCALE	PAGE	OF
<b>DO NOT SCALE</b>	<b>3</b>	<b>5</b>

7. The transformer is designed to reflect 135 ohms on the primary with 275.5 ohms load on the secondary.
8. The transformer is designed to meet UL60950/IEC60950 basic insulation for a primary circuit with working voltage of up to 150Vrms.
9. Operating temperature: -40°C to +85°C.