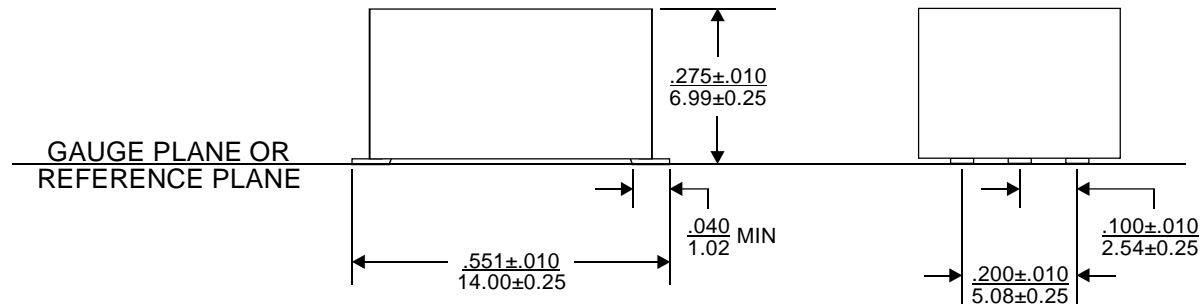
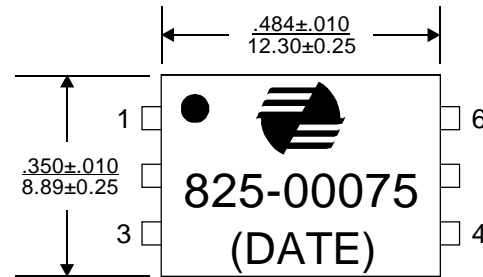


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#D2003-4587a	N/A	04/23/03

PAGE 4 & 5 ARE FOR INTERNAL ONLY

TITLE  
 TRANSFORMER, PICK-OFF, SMT,  
 6 PIN, EXT. TEMP.

<p><b>WARNING !</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><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	<p>APPROVALS</p>	<p>DATE</p>	 E & E Magnetic Products Ltd.	
		INCH	mm	ANGLE										
		.XXX ± .005	.XX ± .13	X.X ± 0.3										
		.XX ± .02	.X ± .5	X. ± 1										
		<p>DRAWN BY</p> <p>W.P. CHENG</p>	<p>04/23/03</p>	<p>DRAWING NO./MODEL</p> <p>825-00075</p>		<p>REV</p> <p>01</p>								
<p>PROJ. ENG</p> <p>W.P. CHENG</p>	<p>04/23/03</p>	<p>SCALE</p> <p>DO NOT SCALE</p>		<p>PAGE</p> <p>1</p>										
<p>APPROVED BY</p> <p>V. TSUI</p>	<p>04/23/03</p>	<p>OF</p> <p>5</p>												
<p>Q.A.</p> <p>C.M. TSUI</p>	<p>04/23/03</p>													



## MECHANICAL OUTLINE

1. Dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in mm.
2. Unless otherwise specified, all tolerance are  $\pm \frac{.010}{0.25}$ .
3. Lead coplanarity:  $\frac{.004}{0.10}$  max.
4. Pin 2 and 5 are not connected.
5. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.



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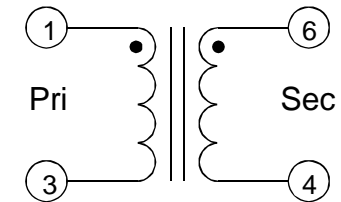
2

OF

5

**ELECTRICAL SPECIFICATION @25°C:**

PARAMETERS	UNIT	LIMITS
Turns Ratio(Pri):(Sec)	-----	1 : 1 ± 1%
Polarity	-----	Per schematic
Input Impedance@300Hz - 3.4kHz, 1Vrms	kΩ	10 Min
DCR(Primary + Secondary)	Ω	882 - 1055
Leakage Inductance@1kHz	mH	22 Max
Shunt Inductance, L <sub>p</sub> @ 200Hz, 10mV	H	6.5 - 16
Shunt Loss, R <sub>p</sub> @200Hz, 10mV	KΩ	22 - 66
Isolation(Pri) : (Sec)	Vdc	5500 Min



**SCHEMATIC**

6. Operating temperature range: -25°C: to +85°C.
7. The transformer is not designed to handle DC current. Telephone line current or other DC current must be diverted using choke or semiconductor line hold circuit.
8. The transformer is designed to meet UL1950 insulation requirement with working voltage of up to 250Vrms.



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