
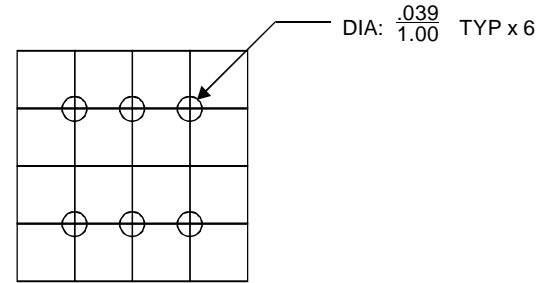
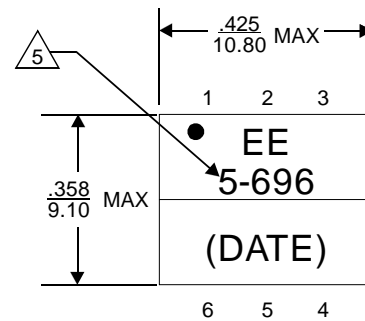
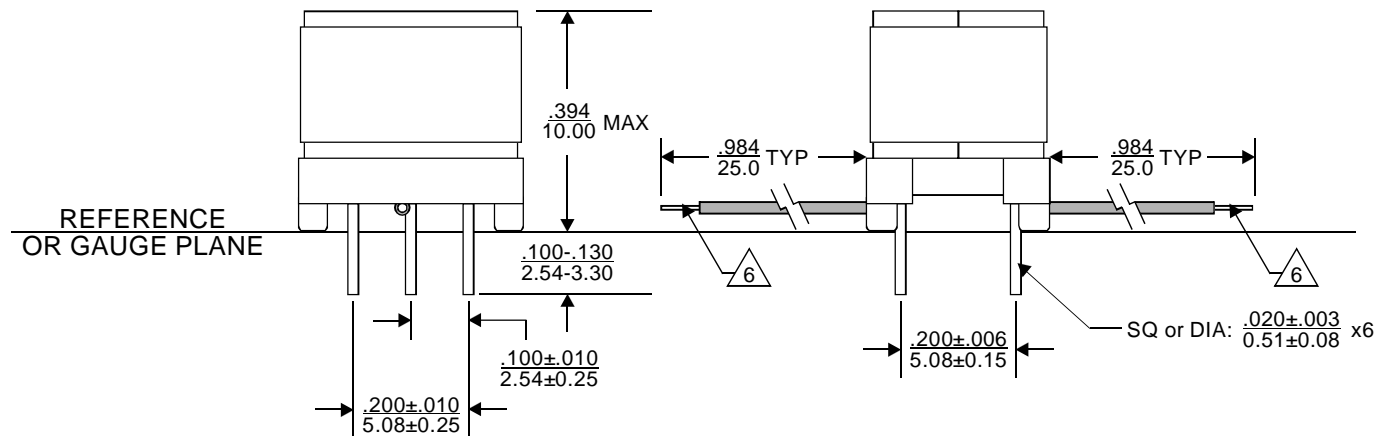


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ#A2005-8764	N/A	05/06/05
02	CHANGE DESIGN AS PER NEW CUSTOMER INPUT	EE6598	05/21/05
03	CHANGE DESIGN AS PER NEW CUSTOMER INPUT	EE7008	07/16/05
04	UPDATE INTERNAL DRAWING	EE7034	07/22/05
05	UPDATE INDUCTANCE SPECIFICATION PER CUSTOMER REQUEST	EE7075	07/27/05
06	UPDATE INTERNAL DRAWING	EE7652	12/12/05

PART NUMBER		PART DESCRIPTION		PAGE 4 IS FOR INTERNAL ONLY			
835-00696		Standard version, with lead(Pb)		TITLE			
835-00696F		RoHS compliant per EU Directive 2002/95/EC(without exemption of solder content)		TRANSFORMER, FLYBACK, TH, 6 PIN			
<div>WARNING !</div> <div>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</div>		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.		<div> E & E Magnetic Products Ltd.</div>			
		APPROVALS				DATE	
		DRAWN BY M.CHENG				12/12/05	
		PROJ. ENG M.CHENG				12/12/05	
		APPROVED BY V. TSUI				12/12/05	
TOLERANCE ARE:		Q.A. C.M. TSUI		12/12/05			
INCH .XXX ± .005 .XX ± .02		mm .XX ± .13 .X ± .5		ANGLE X.X ± 0.3 X. ± 1			
				DRAWING NO./MODEL 835-00696			
				REV 06			
				SCALE DO NOT SCALE			
				PAGE 1 OF 4			



TRUE POSITION GRID
(HOLE. PATTERN, COMPONENT SIDE)
.100
2.54 GRID



MECHANICAL OUTLINE



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DRAWING NO./MODEL

835-00696

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DO NOT SCALE

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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. Dimensions are measured with exclusive of solder.

4. "(DATE)" includes at least the manufacturing date code(in YYWW format) plus two character country code.

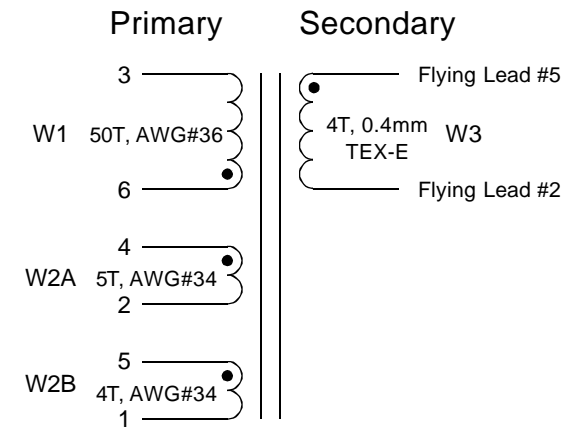
5. For RoHS compliant version, 835-00696F, the part will be marked with "5-696F", instead of "5-696".

6. Strip and tin around 5mm at both ends of the flying leads(i.e., insulated wire).

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(6-3):(4-2):(5-1):(Flying lead#5-#2)	-	1 : 0.1 : 0.08 : 0.08 ± 2%
Polarity	-	Per Schematic
Ls(6-3)@100kHz, 1Vrms	uH	400 ± 10%

7. Operating temperature: 0°C to +70°C.
8. Bobbin: Pin Shine#P-701 or equivalent,
9. Core Material: Ferroxcube 3F35 or equivalent,
10. Tape and Varnish Assembly,
11. Winding W1(6-3): wind 50 turns, in 2 layers tightly.
12. Winding W2A(4-2) / W2B(5-1) / W3(Flying lead #5-#2): Pre-twist W2A, W2B and W3. After pre-twisting wind the pre-twisted wire for 4 turns. Then, continue to wind W2A for 1 more turn,
14. Mylar Tape: P-256, 0.001" or equiv.
15. Gap Core to AL=160nH +/- 10%,
16. Winding 3 are to be flying leads.



SCHEMATIC



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