



泰林線圈製造廠有限公司

THAI LIN RADIO COIL MFY. LTD.

Sample Specification

Customer : CAT (HK) LIMITED

Description : Filter inductor

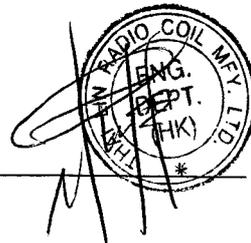
Part Number : _____

Thai Lin Type : TL112520-116 (Rev. 0)

Approved By	Disposition
<p>Date: _____</p>	<p>Accepted <input type="checkbox"/> Conditional Approved <input type="checkbox"/></p>
	<p>Rejected <input type="checkbox"/> Specifications Revised <input type="checkbox"/></p>
<p><i>(Please let us have your confirmation within next 14 working-days.)</i></p>	

Date 24/SEP 2011
 Released By [Signature]
MARKETING
 Thai Lin Radio Coil Mfy. Ltd.

Suggestion : _____



WITH RoHS COMPLIED

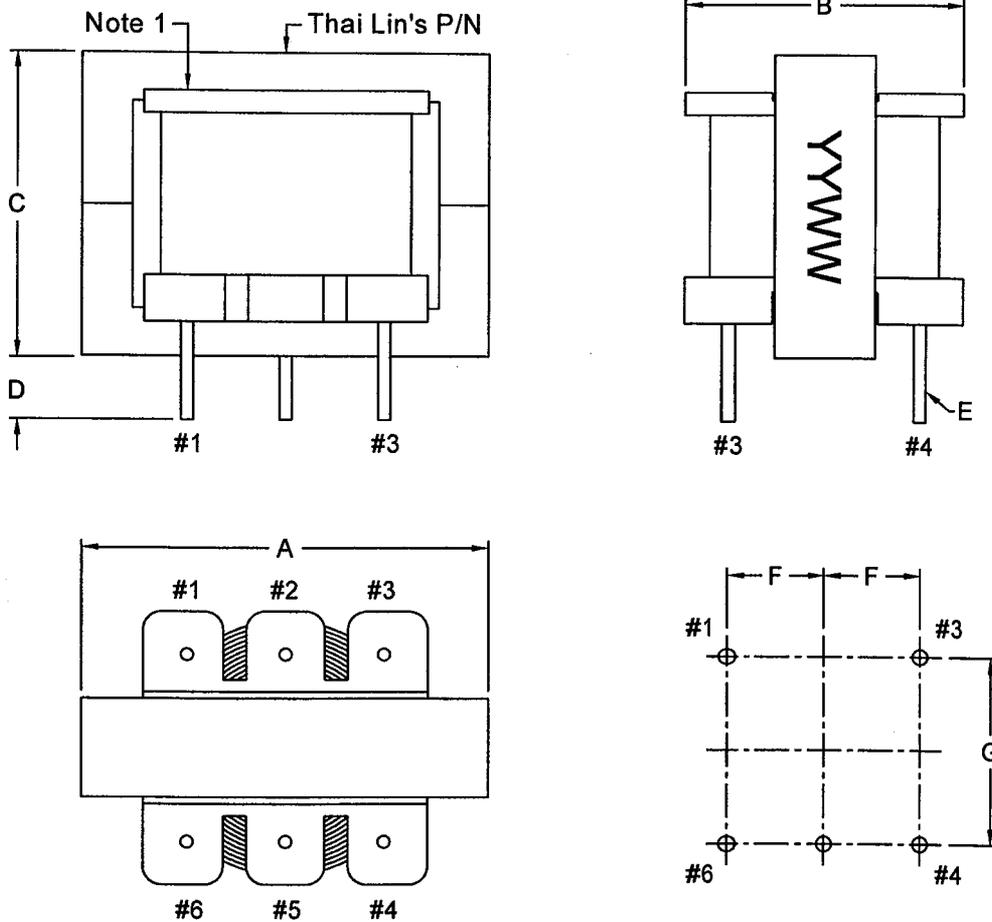
Date : 23 Sep., 2011



THAI LIN RADIO COIL MFY. LTD.

Customer :	CAT (HK) LIMITED	Revision :	Ø
Description :		Date of Issue :	23 Sep., 2011
Part Number :		Prepared By :	<i>[Signature]</i>
Thai Lin Type :	TL112520-116	Approved By :	<i>[Signature]</i>

(A) Physical Dimensions:



- Note: (1) A white dot indicates Pin #1 position.
 (2) Markings show Thai Lin's P/N ("TL112520-116") and date code (YYWW).
 (3) Pin #2 is omitted.

	A	B	C	D	E	F	G
Dimensions (mm)	26.5	20.5	21.5	4.0	Ø0.8	6.3	12.5
Tolerance (mm)	max.	max.	max.	±1.0	±0.1	±0.2	±0.5



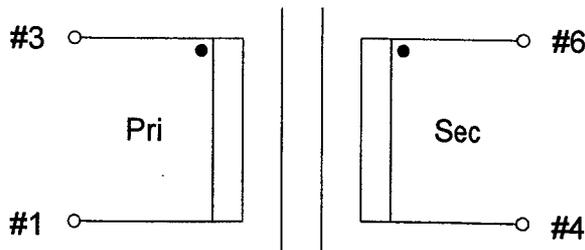
THAI LIN RADIO COIL MFY. LTD.

Customer :	CAT (HK) LIMITED	Revision :	Ø
Description :		Date of Issue :	23 Sep., 2011
Part Number :		Prepared By :	<i>JWEM</i>
Thai Lin Type :	TL112520-116	Approved By :	<i>[Signature]</i>

(B) Layer Construction:

Tape, 2Ts
Sec
Tape, 2Ts
Pri
Bobbin

(C) Electrical Schematic:



(D) Winding Information:

Sequence	Item	Material	Start	Finish	Turns
1	Pri	Enameled Copper Wire, 2UEW, Litz, Silk Cover Ø0.08mm x 28	3	1	75
2	Sec	Enameled Copper Wire, 2UEW, Litz, Silk Cover Ø0.08mm x 96	6	4	7

(E) Core Air Gap:

The core center leg shall be gapped, providing the required inductance.

(F) Impregnation:

Vacuum Varnishing.



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Customer :	CAT (HK) LIMITED	Revision :	Ø
Description :	Filter inductor	Date of Issue :	23 Sep., 2011
Part Number :		Prepared By :	<i>J. Wilson</i>
Thai Lin Type :	TL112520-116	Approved By :	<i>[Signature]</i>

(G) Electrical Characteristics:

Inductance (@10kHz / 0.1V)	Pins #3 - #1	1.0mH ± 10%
Leakage Inductance (@10kHz / 0.1V)	Pins #3 - #1 (Short #6 - #4)	60µH (Ref.)
DC Resistance (@20°C)	Pins #3 - #1 Pins #6 - #4	0.53Ω max. 25mΩ max.
Dielectric Strength	P - S	1000Vac, 50/60Hz, 3 seconds, 1mA max.

(H) Material List:

Item	Material	Manufacturer	UL File
Core	Ferrite Core, EE25, PL7; or equivalent	Samwha; or other sources	--
Bobbin	EE25, Vertical, 1-Section, 6 pins, Phenolic	Chang Chun Plastics Co. Ltd.; or Sumitomo Bakelite Co., Ltd.; or other sources	E59481 E41429
Winding	Polyurethane enameled copper wire, 2UEW, Litz, Silk Covered	Shijie Haihua Electronic Processing Factory; or other sources	--
Insulation Tape	Polyester Film Tape, #1350F; or Polyester Film Tape, 630F; or equivalent	3M; or Teraoka Seisakusho Co Ltd.; or other sources	E17385 E56086
Varnish	BC-359	John C. Dolph Co.	E317427