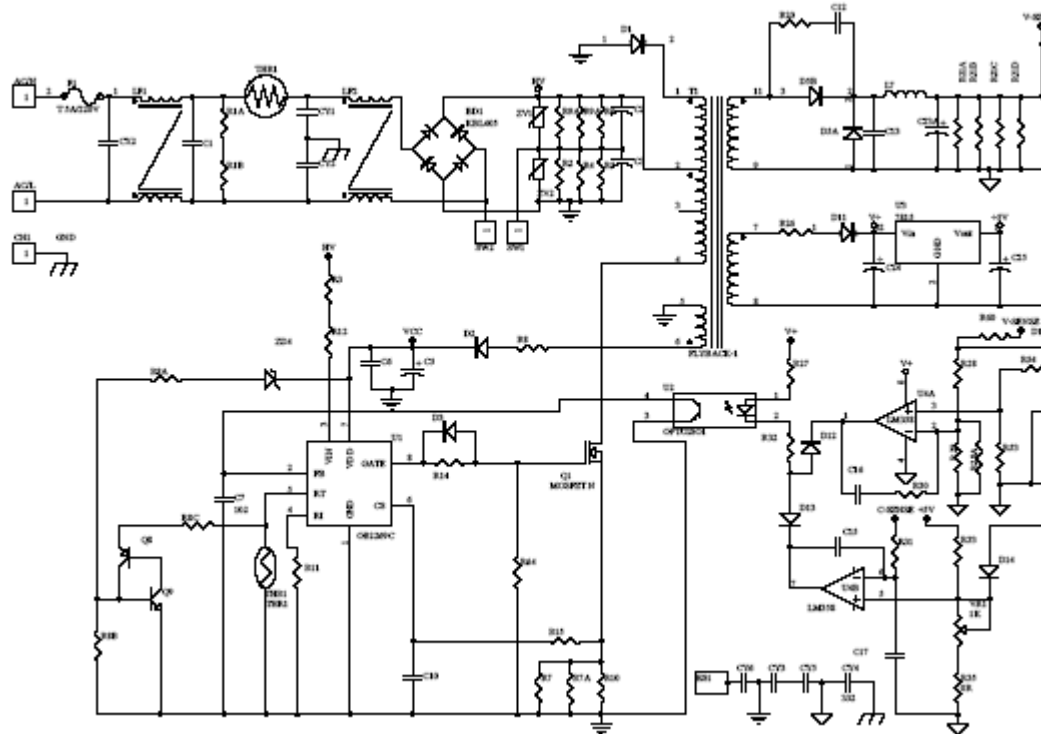


电路图



变压器

DWG NO. 64600078
AAEA010007

Dimensions

Notes:
1. Pin 3 cut of 1/2
2. 產品抽芯選用24.0mm x 1L 膠帶者膠帶層
3. 絕緣時, PIN抽線前, 須時針方向(逆視)繞制
4. N2, N3為三層絕緣線

Winding Sequence

TAPE	W=11.5mm x 2T
CORE	
TAPE	W=18.0mm x 2T
N6:	1-2 ø0.30mm x 1P x 34T
TAPE	W=18.0mm x 2T
N5:	3-4 ø0.50mm x 2P x 17T
TAPE	W=18.0mm x 2T
N4:	6-5 ø0.30mm x 1P x 2T
TAPE	W=18.0mm x 2T
E2:	5- 0.05mm x 9mm x 0.9T
TAPE	W=18.0mm x 2T
N3:	7-8 ø0.30mm x 1P x 2T(TRWB)
TAPE	W=18.0mm x 2T
N2:	11,12-9,10 ø0.60mm x 3P x 12T(TRWB)
TAPE	W=18.0mm x 2T
E1:	5- 0.05mm x 9mm x 0.9T
TAPE	W=18.0mm x 2T
N1:	2-3 ø0.5mm x 2P x 17T
CORE	

Schematics

Notes:
1. Enamelled Wire: ø0.30mm(TRWB), ø0.65mm(TRWB), ø0.30mm, ø0.50mm
QA-1 (MW75), 130°C, UL Certified
2. Bobbin: E140, 12 Pins, Phenolic
3. Ferrite Core: Ungapped E140, Mn-Zn, PC40 or equiv., AL=4860nH±25%~20%
4. Impregnation required.

Electrical Data of Assembled Product (@25°C if not otherwise specified)

Item	Pin	Specification	Unit	Test Conditions
Inductance of Winding	2-4	4.0 MIN	mH	1KHz 1.0Vrms
Electrical Strength between Pri and sec	P-S	3750	Vrms	50Hz 3mA 2S
Electrical Strength between Pri and Core	P-C	2500	Vrms	50Hz 3mA 2S
Electrical Strength between Sec and Core	S-C	1500	Vrms	50Hz 3mA 2S

REVISIONS

REV	DESCRIPTION	DATE
A	FOR CUSTOMER APPROVAL	09-28-2007
B	CHANGE CUSTOMER P/N, WAS HPMTCS08NLS050NEW CHANGE MARGIN TAPE WAS W=4.0mm CHANGE INDUCTANCE, WAS 5.5mH MIN	01-28-2008
C	CHANGE N2,N3 WINDING, WAS WIRE DELETE MARGIN TAPE	05-06-2008

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm
TOLERANCES
x.x = ±0.3 x.xx = ±0.10
ANGULAR = 0° 30'

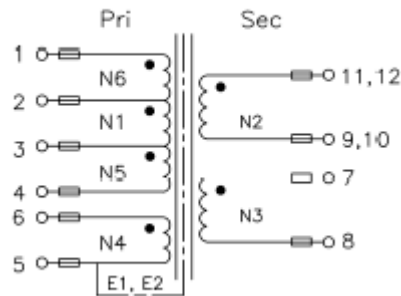
Links Electronics (Kunshan), Inc.
92 YANG-GUANG ROAD, ZHANGPU
KUNSHAN, JIANGSU 215321, CHINA

TITLE: TRANSFORMER, E140

DESIGNED BY: _____
DRAWN BY: Tan fen fen
CHECKED BY: Liu hai yuan
APPROVED BY: _____

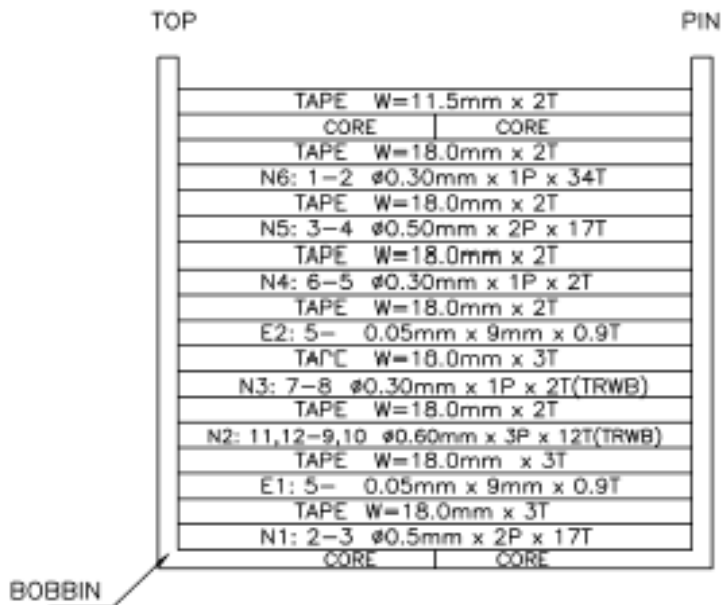
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DWG NO: 64600078
REV: C
SCALE: NONE
DATE: 09-28-2007
SHEET: 1 OF 1

Schematics



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7



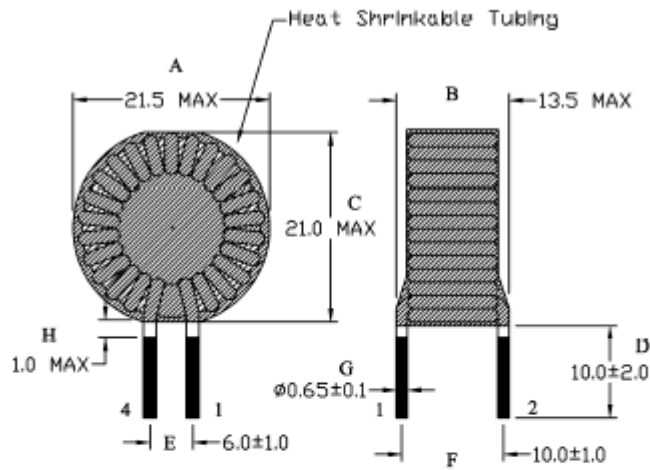
Winding Sequence

Electrical Data of Assembled Product (@25°C if not otherwise specified)

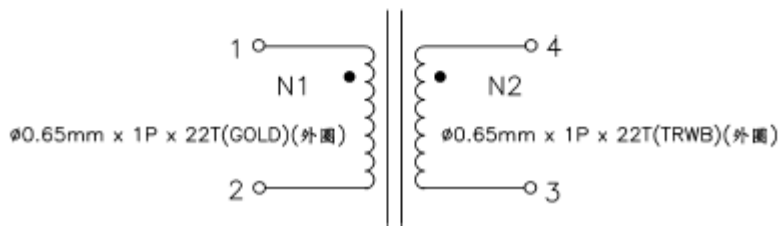
Item	Pin	Specification	Unit	Test Conditions
Inductance of Winding	2-4	4.0 MIN	mH	1KHz 1.0Vrms
Electrical Strength between Pri and sec	P-S	3750	Vrms	50Hz 3mA 2S
Electrical Strength between Pri and Core	P-C	2500	Vrms	50Hz 3mA 2S
Electrical Strength between Sec and Core	S-C	1500	Vrms	50Hz 3mA 2S

电感 LF1

Dimensions



Schematics



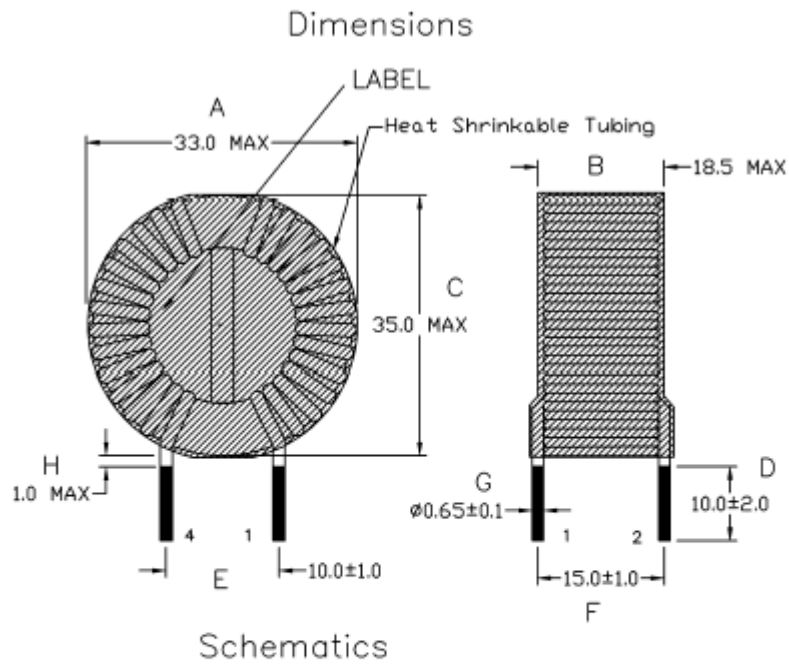
Notes:

1. Enamelled Wire: $\phi 0.65\text{mm}$, $\phi 0.65\text{mm}(\text{TRWB})$, QA-1 (MW75), 130°C, UL Certified
2. Ferrite Core: T16 x 12 x 8C, Mn-Zn, R15K or equiv., AL=6144nH \pm 15%

Electrical Data of Assembled Product (@25°C if not otherwise specified)

Item	Pin	Specs	Unit	Test Conditions
Inductance of Winding	1-2	2.5-4.0	mH	1kHz, 1Vrms
	4-3	2.5-4.0		
DC Resistance of Winding	1-2	42.5 MAX	m Ω	
	4-3	42.5 MAX		
Electrical Strength between Winding and winding	W-W	500	Vrms	50Hz 5mA 60S
Electrical Strength between Winding and core	W-C	500	Vrms	50Hz 5mA 60S

电感 LF2



Notes:

1. Enameled Wire: $\phi 0.65\text{mm}$, $\phi 0.65\text{mm}$ (TRWB), QA-1 (MW75), 130°C, UL Certified
2. Ferrite Core: T25x15x12C, Mn-Zn, R12K or equiv., AL=14815±15%
3. Impregnation required

Electrical Data of Assembled Product (@25°C if not otherwise specified)

Item	Pin	Specs	Unit	Test Conditions
Inductance of Winding	1-2	30.0±25%	mH	1kHz, 1.0Vrms
	4-3	30.0±25%		
DC Resistance of Winding	1-2	100.0 MAX	mΩ	
	4-3	100.0 MAX		
Electrical Strength between Winding and Winding	W-W	500	Vrms	50Hz 5mA 60S
Electrical Strength between Winding and core	W-C	500	Vrms	50Hz 5mA 60S