

SPECIFICATION FOR APPROVAL

<p>CUSTOMER'S APPROVAL CHOP</p> <p>Approval's condition: _____</p> <p>Approved date: _____</p>

KINDLY RETURN A SET WITH YOUR COMPANY'S OFFICIAL
STAMP ON APPROVAL OF THIS ITEM

CUSTOMER'S NAME: _____

CUSTOMER'S MODEL NO. : _____

CUSTOMER'S PART NO. : _____

DESCRIPTION: _____

EP13

Semitel'S MODEL NO. : _____

EP13-359

VERSION: _____

A

DATE: _____

2017-10-10

Attachments:

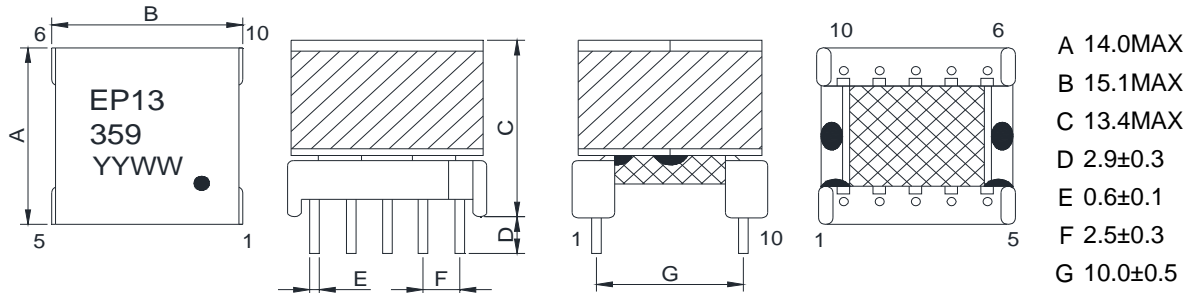
- Product Specification
- Sample Qty. :
- Test Data

Prepared By	Checked By	Approved By
Hebe Deng 2017/10/10	Liang Wong 2017/10/10	Alan Wong 2017/10/10

Semitel International Ltd.,	TEL: 886-2-86922121 FAX: 886-2-26483379
www.semitelint.com	12F, No.183, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 22145, Taiwan

Product Specification

1. Physical Dimensions (Unit:mm)



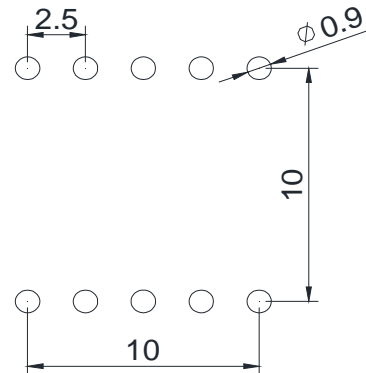
Notes:

- *Marking type is laser printing
- *YY: Year Code; WW: Week Code
- *Dot indicates the location of pin#1.
- *Size D not including soldering tags
- *ITDSC Model:SF13AE

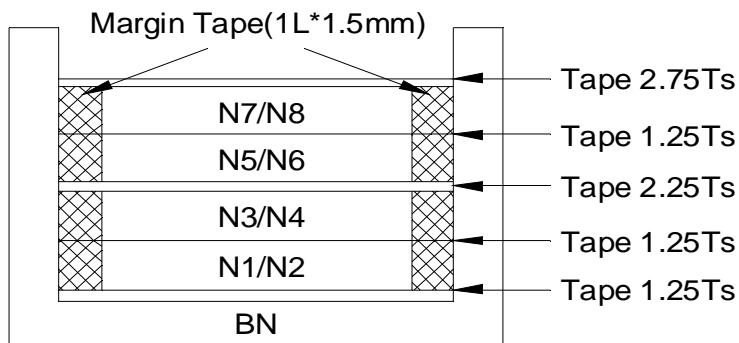
2.Connection



3.Recommended Pad Layout (Unit:mm)



4.Structure of Products



Semitel'S MODEL NO. :	EP13-359	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2017-10-10		

Product Specification

5. Electrical Characteristics

*Electrical specifications @ 25°C unless otherwise noted:

*Operating temperature range: -40°C to +85°C .

*Ambient temperature range: -40°C to +85°C .

Items	Winding	Specifications	Test Conditions
Inductance	L(1-4) Tie(2-3)	400uH±7%	at 10kHz,0.1Vrms
LK-Inductance	Lk(1-4) Tie(2-3,7-8-9-10)	2.25uH MAX.	at 100kHz,0.1Vrms
Interwinding Capacitance	(1-10) Tie(1-2-3-4,7-8-9-10)	100pF MAX.	at 100kHz,0.1Vrms
DCR	R(1-4) Tie(2-3)	1.5Ω MAX.	at 25°C
	R(10-7) Tie(8-9)	0.5Ω MAX.	
Turns Ratio	(1-4):(10-7) Tie(2-3,8-9)	2.5:1;±3%	at 100kHz,0.1Vrms
THD		-86dB MAX.	at 50kHz,5Vrms Across (1-4) 100Ω Input 16Ω load at (10-7) Tie (2-3,8-9)
Hi-Pot	(1-10) Tie(1-2-3-4, 7-8-9-10)	6000VDC	1mA,3Sec

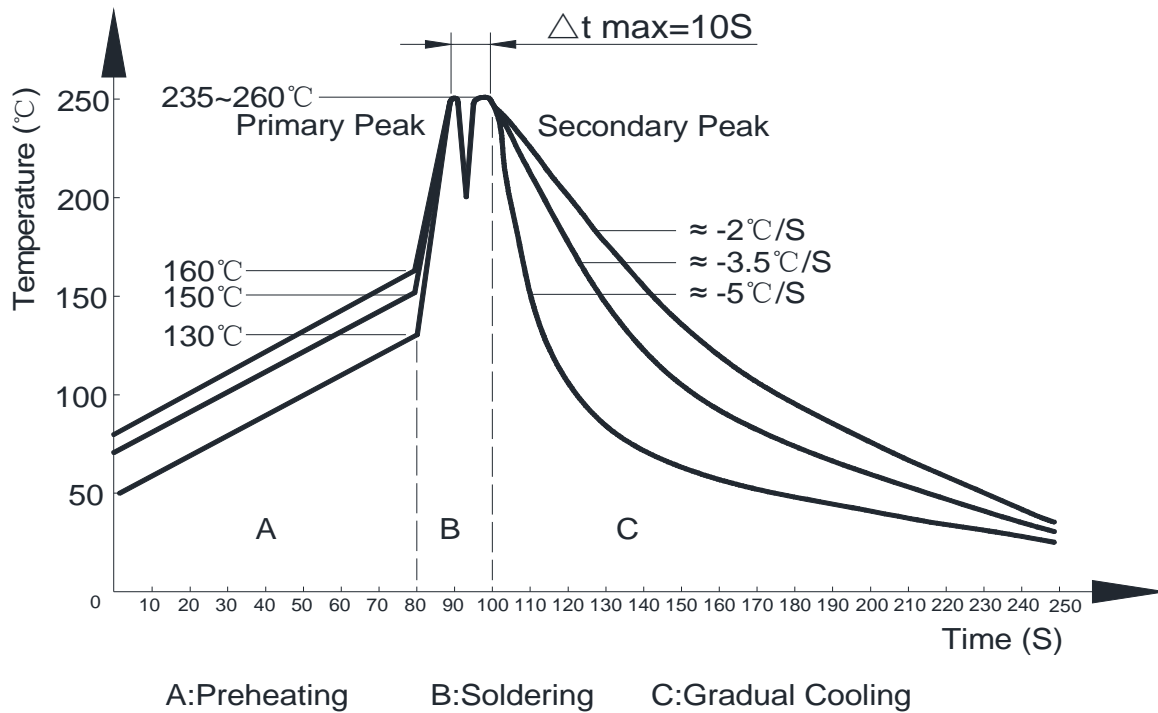
6. Bill of Material

No	Items	Material Name	Manufacturer	UL File No	SGS File No
1	Core	FERRITE CORE A101	ACME or Equivalent	NIL	CE/2016/A4681B
2	Bobbin	PM-9630	SUMITOMO (SumiDurez) or Equivalent	E41429	SHAEC1705662106
3	Copper Wire	enamelled wire QPN180	SUNTEK or Equivalent	E234867	SCL01J005340014E
4	Insulation tape	Polyester Mylar Tape (Yellow) CT* (c) (g)	YAHUA or Equivalent	E165111	CANEC1612052101
5	Margin Tape	NON-WOVEN CLOTH MARGIN TAPE WF* (c) (h)	YAHUA or Equivalent	E165111	CANEC1623096902
6	EPOXY	TH320	TIANHUAN or Equivalent	E257593	CANEC1619173404
7	EPOXY	EB-360	CHANGFENG or Equivalent	NIL	SHAEC1626152101
8	Solder	Lead free solder	HONGTAIZHOU or Equivalent	NIL	CANEC1710839309

Semitel'S MODEL NO. :	EP13-359	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2017-10-10		

Product Specification

7.Wave Solder Profile



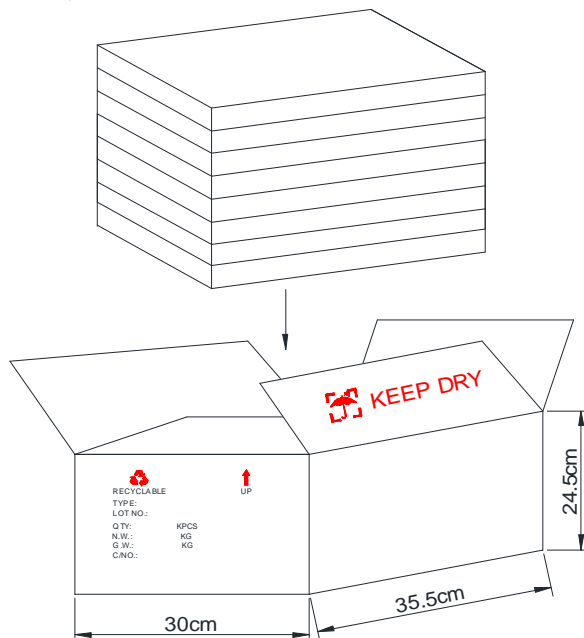
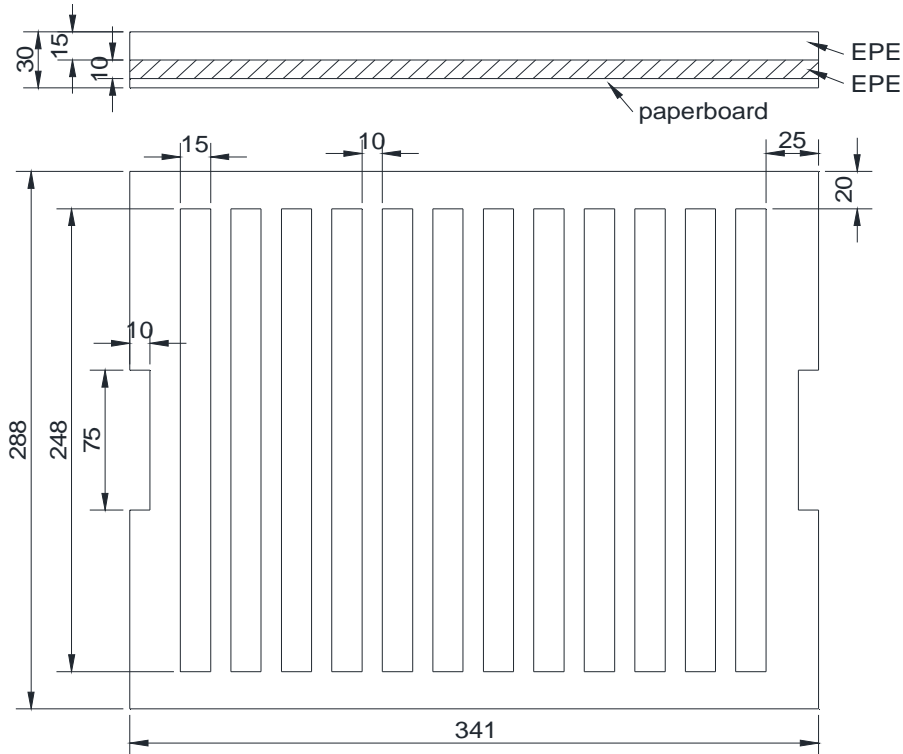
Semitel'S MODEL NO. :	EP13-359	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2017-10-10		

Product Specification

8.Packing Request

*Put in the EPE slot, each layer contains 216pcs products.

*Every cartoon box contains 1728pcs products,with a total of 8 layers.



Semitel'S MODEL NO. :	EP13-359	CUSTOMER'S MODEL NO. :	
VERSION:	A	CUSTOMER'S PART NO. :	
DATE:	2017-10-10		

Test Report

		Test Instruments							
		HP4284A	HP4284A	VR131		SYS2702A	HP4284A	HP 87510A	CS2670A
NO	Inductance	LK-Inductance	DCR		THD	Interwinding Capacitance	Turns Ratio	Hi-Pot	
	at 10kHz,0.1Vrms	at 100kHz,0.1Vrms	at 25°C	at 25°C	at 50kHz,5Vrms Across (1-4) 100Ω Input 16Ω load at (10-7) Tie (2-3,8-9)	at 100kHz,0.1Vrms	at 100kHz,0.1Vrms	1mA,3Sec	
	L(1-4) Tie(2-3)	Lk(1-4) Tie(2-3,7-8-9-10)	R(1-4) Tie(2-3)	R(10-7) Tie(8-9)		(1-10) Tie(1-2-3-4,7-8-9-10)	(1-4):(10-7) Tie(2-3,8-9)	(1-10) Tie(1-2-3-4, 7-8-9-10)	
	400uH±7%	2.25uH MAX.	1.5Ω MAX.	0.5Ω MAX.	-86dB MAX.	100pF MAX.	2.5:1;±3%	6000VDC	
1									
2									
3									
4									
5									
MIN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
MAX.	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AVG.	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	
Overall Dimensions Test								Measurement Tools: Caliper (Unit:mm)	
NO	A	B	C	D	E	F	G		
	14.0MAX	15.1MAX	13.4MAX	2.9±0.3	0.6±0.1	2.5±0.3	10.0±0.5		
1									
2									
3									
4									
5									
MIN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
MAX.	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AVG.	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed		
Semitel'S MODEL NO. :	EP13-359			CUSTOMER'S MODEL NO. :					
VERSION:	A			CUSTOMER'S PART NO. :					
DATE:	2017-10-10								