

SPECIFICATION FOR APPROVAL

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

PQ2016

Semitel'S MODEL NO. : _____

PQ2016-615

VERSION: _____

B

DATE: _____

2019/8/16

Attachments:

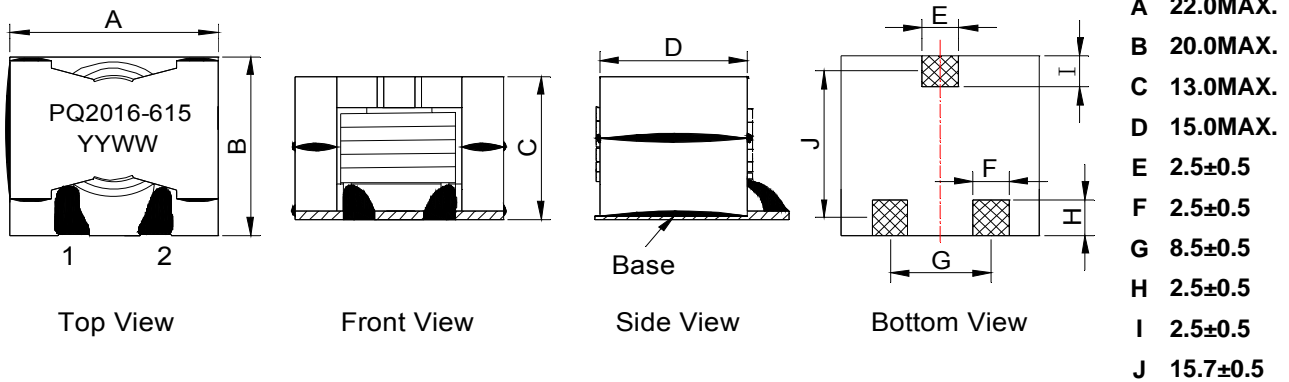
- Product specification
- Sample Qty. :
- Test data

Prepared By	Checked By	Approved By
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Semitel International Ltd.,	TEL: 886-2-86922121 FAX: 886-2-26483379
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Product Specification

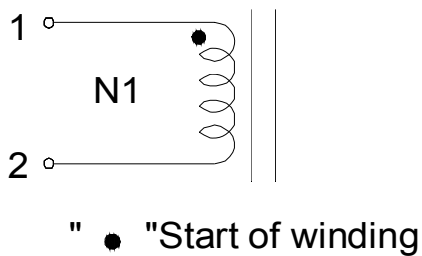
1. Physical Dimensions (Unit:mm)



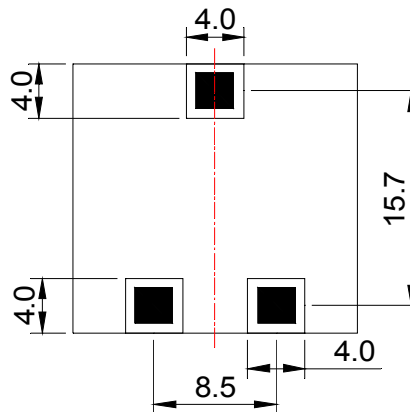
Notes:

- *Marking type is laser printing
- *YY: Year Code; WW: Week Code
- *Size A and D not including Epoxy
- *Coplanarity Requirement: Less than 0.15mm

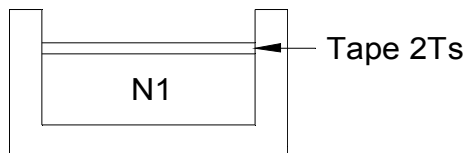
2.Connection



3.Recommended Pad Layout (Unit:mm)



4.Structure of Products



5.No of turns & Wire spec.

No	No of Pin	No of truns	Wire Spec
N1	1--2	20Ts	ø0.8mm PEW/U

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6. Electrical Characteristics

Items	Winding	Specifications	Test Conditions
Inductance	L(1-2)	68uH±20%	at 200kHz, 1Vrms
DC.Bias	L(1-2)	58uH MIN.	at 200kHz, 1Vrms, 6A.DC
DCR	R(1-2)	35mΩ MAX.	at 25°C

7. Bill of Material

No	Item	Material Name	Manufacturer	UL File No	SGS File No
1	Core	FERRITE CORE JCP-95	FCRI or Equivalent	NIL	CANEC1813462601
2	Base	PM-9630	SUMITOMO (SumiDurez) or Equivalent	E41429	SHAEC1802754204
3	Copper Wire	Polyurethane wire PEW/U	PA CIFIC or Equivalent	E201757	A217005571810103E
4	EPOXY	EB-360	CHANGFENG or Equivalent	NIL	SHAEC1726002103
5	Solder	Lead free solder	HONGTAIZHOU or Equivalent	NIL	CANEC1812220901

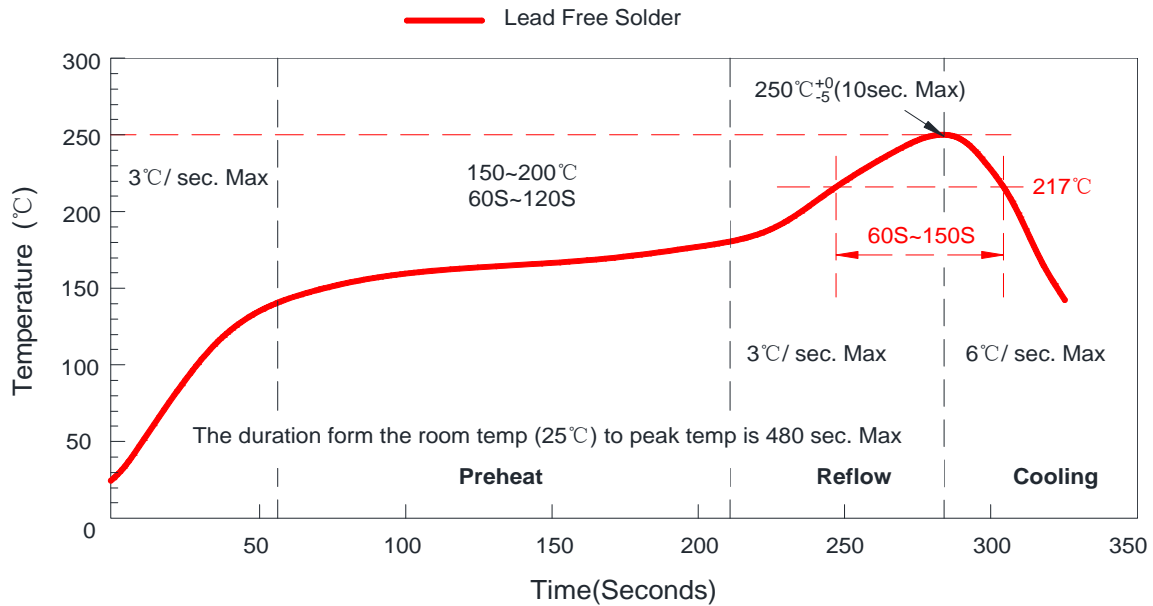
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Product Specification

8.Recommended Temperature Conditions of Air Reflow Soldering

Test Solderability Temperature Profile



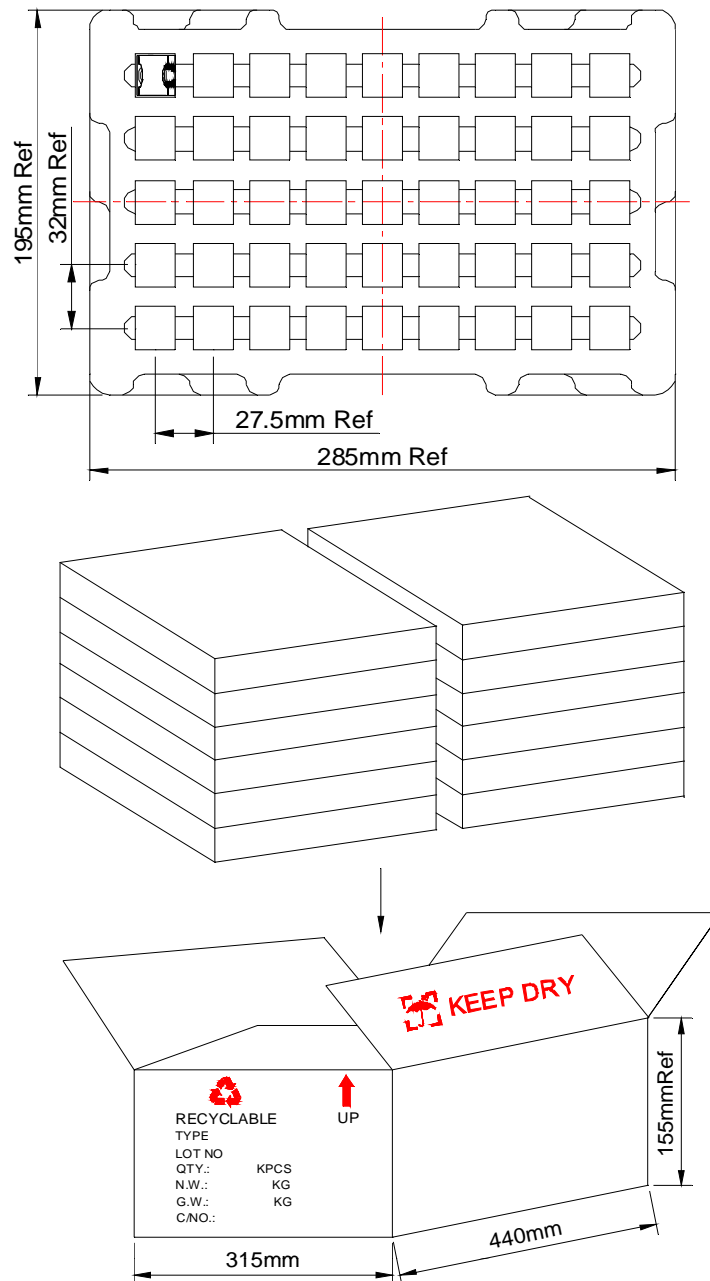
Profile Feature	
Average Ramp-Up Rate (T _{max} to T _p)	3°C/Second Max.
Preheat	
-Temperature Min. (T _{min})	150°C
-Temperature Max. (T _{max})	200°C
-Time (T _{min} to T _{max})	60-120 Seconds
Time maintained above:	
-Temperature (T _L)	217°C
-Time (T _L)	60-150 Seconds
Peak/Classification Temperature (T _p)	250°C
Time within 5°C of actual Peak Temperature (T _p)	10 Seconds Max.
Ramp-Down Rate	6°C/Second Max.
Time 25°C to Peak Temperature	8 Minutes Max.

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9.Packing Request

- (1), Every blister tray can contain 45pcs products.
- (2), Every carton box contains 540pcs products,with a total of 6 layers.



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Test Report

Test Instruments										
	HP4284A	LCR METER 1062 1720	VR131							
NO	Inductance	DC.Bias	DCR							
	L(1-2)	L(1-2)	R(1-2)							
	at 200kHz,1Vrms	at 200kHz,1Vrms, 6A.DC	at 25°C							
	68uH±20%	58uH MIN.	35mΩ MAX.							
1	68.80	64.90	27.00							
2	66.80	63.40	27.05							
3										
4										
5										
MIN.	66.80	63.40	27.00							
MAX.	68.80	64.90	27.05							
AVG.	67.80	64.15	27.03							
Result	Passed	Passed	Passed							

Overall Dimensions Test					Measurement Tools: Caliper (Unit:mm)					
NO	A	B	C	D	E	F	G	H	I	J
	22.0MAX.	20.0MAX.	13.0MAX.	15.0MAX.	2.5±0.5	2.5±0.5	8.5±0.5	2.5±0.5	2.5±0.5	15.7±0.5
1	21.12	19.03	12.93	14.07	2.78	2.80	8.45	2.61	2.56	16.14
2	21.08	19.02	12.98	14.10	2.79	2.79	8.43	2.63	2.59	16.13
3										
4										
5										
MIN.	21.08	19.02	12.93	14.07	2.78	2.79	8.43	2.61	2.56	16.13
MAX.	21.12	19.03	12.98	14.10	2.79	2.80	8.45	2.63	2.59	16.14
AVG.	21.10	19.03	12.96	14.09	2.79	2.80	8.44	2.62	2.58	16.14
Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed

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