

SPECIFICATION FOR APPROVAL

CUSTOMER'S APPROVAL CHOP	
Approval's condition:	
Approved date:	

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: **RM6**

Semitel'S MODEL NO. : **RM6-136**

VERSION: **B**

DATE: **2022/4/15**

UNIT WEIGHT: **about 7.83g**

The place of origin: **CHINA**

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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Revision Record

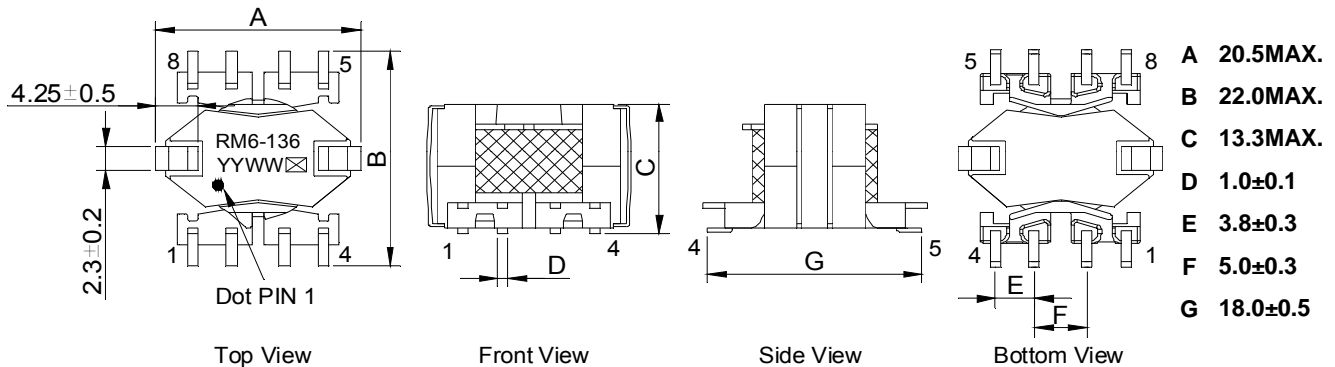
Version	Revision Date	Revision For Items	Reason For Revision
A	2022/3/7	Flyback 12V 3A	-
B	2022/4/15	Add teflon tube to the lead of PIN 1	Production needed

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Semitel International Ltd.,

Product Specification

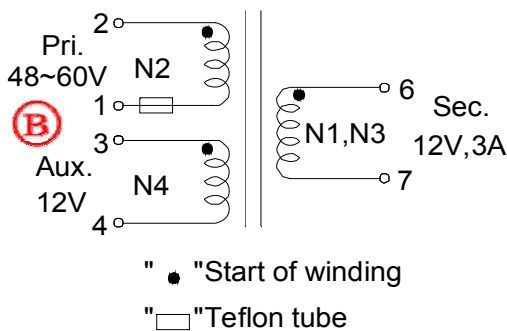
1. Physical Dimensions (Unit:mm)



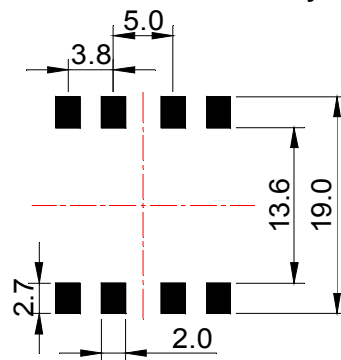
Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). :When making samples, S is used to represent the product is a sample.
- (4). :Use different letters or numbers to represent the products are produced from different production lines .
- (5). Size B and G are not including soldering tags
- (6). Coplanarity requirement: Less than 0.10mm
- (7). Add epoxy to the center column of the cores

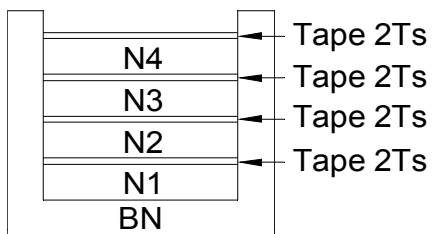
2. Connection



3. Recommended Pad Layout (Unit:mm)



4. Structure of Products



5. No of Turns & Wire Spec

No	No of Pin	Turns	Wire Spec
N1	6--7	5 Ts	∅0.29 mm*3P UEWH/U
N2	2--1	20 Ts	∅0.28 mm*2P UEWH/U
N3	6--7	5 Ts	∅0.29 mm*3P UEWH/U
N4	3--4	5 Ts	∅0.20 mm*3P UEWH/U

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6. Electrical Characteristics

Items	Winding	Specifications	Test Conditions
Inductance	L(2-1)	85uH±10%	at 10kHz,0.1V
LK-Inductance	LK(2-1) Tie others	1.2uHMAX.	at 100kHz,0.1V
DCR	R(2-1)	105.6mΩ MAX.	at 25°C
	R(3-4)	57mΩ MAX.	
	R(6-7)	9mΩ MAX.	
Turns Ratio	(2-1):(3-4):(6-7)	4:1:1,±3%	at 20kHz,1V
Hi-Pot	Pri. To Sec.	1200VAC	0.5mA.60Sec.
	2--3	500VAC	0.5mA.60Sec.

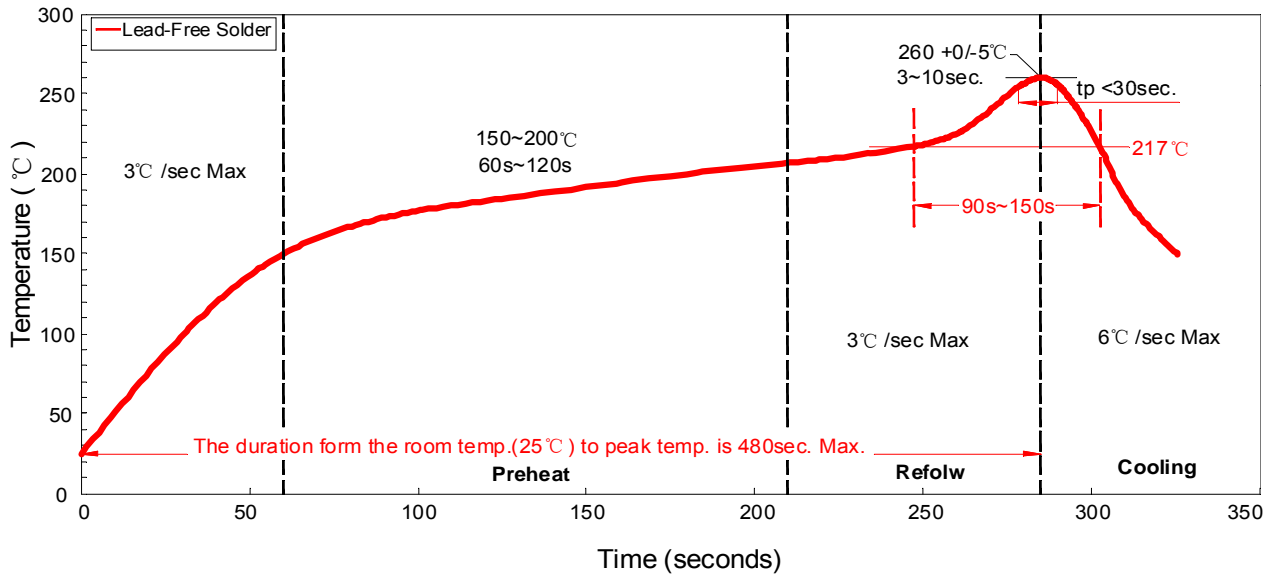
7.Bill of Material

No	Item	Material Name	Manufacturer	UL File No	SGS File No
1	Core	FERRITE CORE JCP-95	FCRI or Equivalent	NIL	A2210277867101001
OR	Core	FERRITE CORE P47	ACME or Equivalent	NIL	ETR21505423M07
2	Bobbin	PM-9630	SUMITOMO or Equivalent	E41429	SHAEC2128658005
3	Clip	SUS301	TONG FENG or Equivalent	NIL	SZXEC2103324303
4	Copper Wire	Polyurethane bare wire (Cu) Polysol 180	ELEKTRISOLA or Equivalent	E258243	ETR21305641
OR	Copper Wire	Polyurethane wire UEWH/U	PACIFIC or Equivalent	E201757	A2210407026101005E
5	Polyimide Tape	Polyimide Adhesive Tape PF*(d)(g)	YAHUA or Equivalent	E165111	CANEC2018801705
OR	Polyimide Tape	Brown adhesive plastic HN NC 0.025mm V-0	RUNSEA (RAYITEK) or Equivalent	E339977	SZXEC2100751801
6	Teflon Tube	PTFE TUBE TFL	DONGJU or Equivalent	E478618	CANEC2023548503
7	Epoxy	H907-HF	HUA CHUANG or Equivalent	E304477	A2210247400101001
OR	Epoxy	EB-360	DIDA or Equivalent	NIL	HLF21007015C
8	Varnish	8562*	HANG CHEUNG or Equivalent	E200154	CANEC2100049805
9	Solder	Lead free solder	HONGTAIZHOU or Equivalent	NIL	SZXEC2102001805

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8.Wave Solder Profile



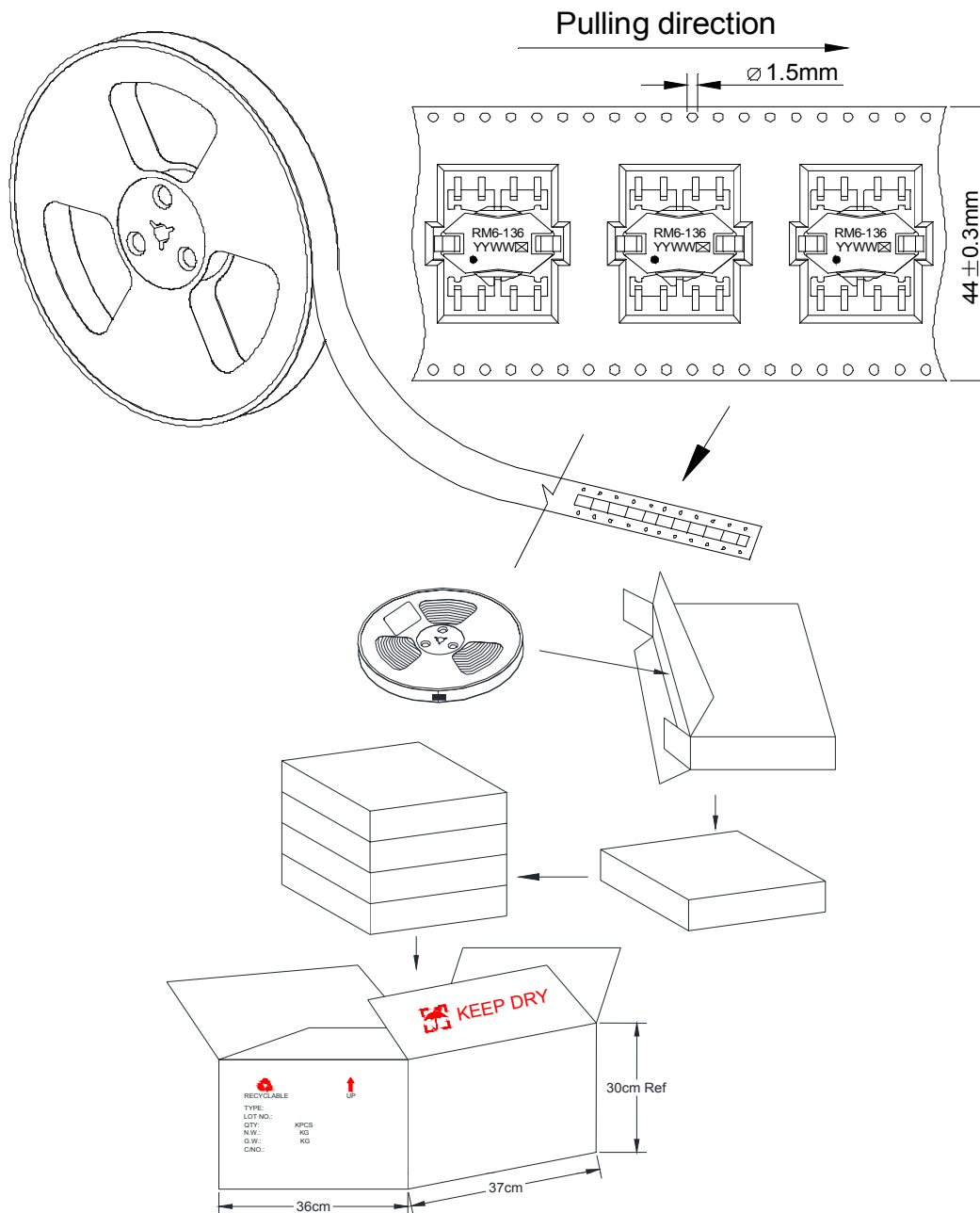
Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (T _{max} to T _p)	3°C/Second Max.
Preheat	
-Temperature Min. (T _{min})	150°C
-Temperature Max. (T _{max})	200°C
-Time (T _{min} to T _{max})	60~120 Seconds
Time maintained above:	
-Temperature (T _L)	217°C
-Time (T _L)	90~150 Seconds
Peak/Classification Temperature (T _p)	260°C
Time within 5°C of actual PeakTemperature (T _p)	3~10 Seconds
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 roll of the carrier tape can contain 130 pcs products.
- (2), Every small packing box contains one rolls of carrier tape. Total quantity: 130 pcs.
- (3), Every carton box contains 4 small packing boxes. Total quantity: 520 pcs.



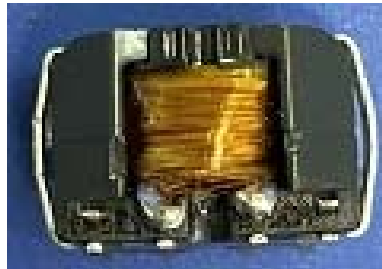
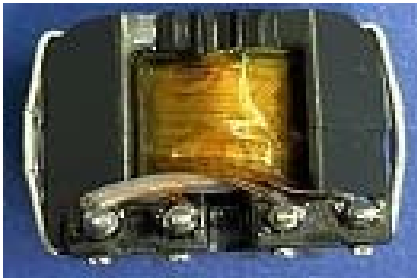
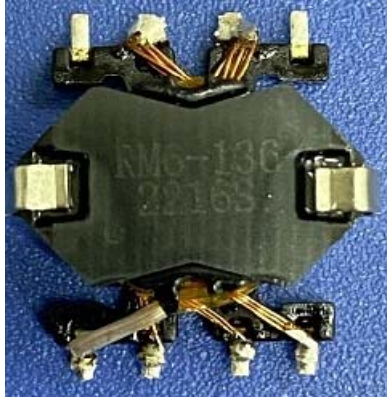
Semitel'S MODEL NO. :	EFD25-308	CUStoMER'S MODEL NO.:	
VERSION :	B	CUStoMER'S PART NO. :	
DATE :	2022/2/18		

Test Report

Test Instruments								
	HP4284A	HP4284A	DCR METER 131			HP4284A	CS2670A	
NO	Inductance	LK-Inductance	DCR			Turns Ratio	Hi-Pot	
	at 10kHz,0.1V	at 100kHz,0.1V	at 25°C			at 20kHz,1V	0.5mA.60Sec.	
	L(2-1)	LK(2-1) Tie others	R(2-1)	R(3-4)	R(6-7)	(2-1):(3-4):(6-7)	Pri. To Sec.	2--3
	85uH±10%	1.2uHMAX.	105.6mΩ MAX.	57mΩ MAX.	9mΩ MAX.	4:1:1,±3%	1200VAC	500VAC
1	86.53	0.79	87.35	33.44	7.05	Passed	Passed	Passed
2	88.79	0.79	83.71	34.40	7.13	Passed	Passed	Passed
3	87.77	0.70	81.43	34.71	7.19	Passed	Passed	Passed
4	88.64	0.74	82.25	33.25	7.19	Passed	Passed	Passed
5	86.94	0.74	81.14	33.74	7.00	Passed	Passed	Passed
MIN.	86.53	0.70	81.14	33.25	7.00			
MAX.	88.79	0.79	87.35	34.71	7.19			
AVG.	87.73	0.75	83.18	33.91	7.11			
Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	
Overall Dimensions Test					Measurement Tools: Caliper (Unit:mm)			
NO	A	B	C	D	E	F	G	
	20.5MAX.	22.0MAX.	13.3MAX.	1.0±0.1	3.8±0.3	5.0±0.3	18.0±0.5	
1	19.78	21.08	12.91	0.94	3.71	4.95	18.04	
2	19.81	21.08	12.81	0.94	3.75	4.94	17.99	
3	19.73	21.11	12.80	0.95	3.71	4.93	17.98	
4	19.80	21.16	12.85	0.95	3.68	4.96	18.00	
5	19.97	21.12	12.86	0.94	3.71	4.94	17.94	
MIN.	19.73	21.08	12.80	0.94	3.68	4.93	17.94	
MAX.	19.97	21.16	12.91	0.95	3.75	4.96	18.04	
AVG.	19.82	21.11	12.85	0.94	3.71	4.94	17.99	
Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	

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Photos of product



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