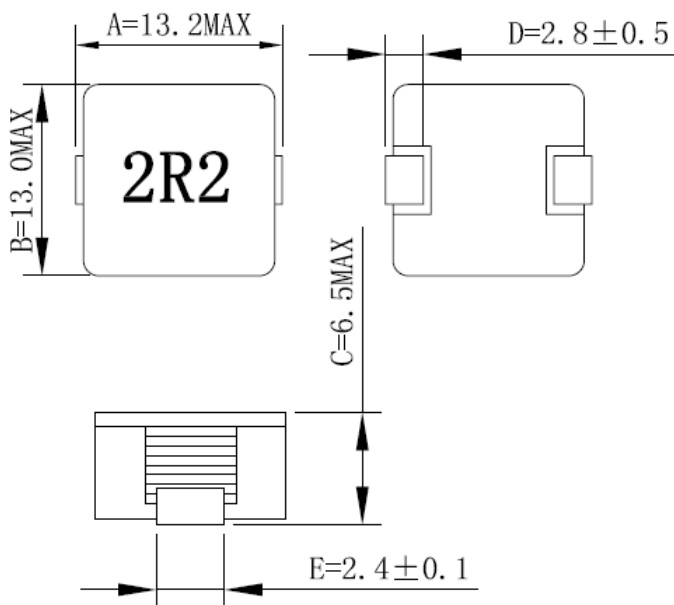
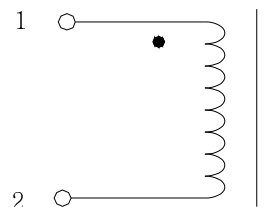


1.Drawing(UNIT:mm)

ASSEMBLY



SCHEMATICS


2.ELECTRICAL CHARACTERISTICS@25°C

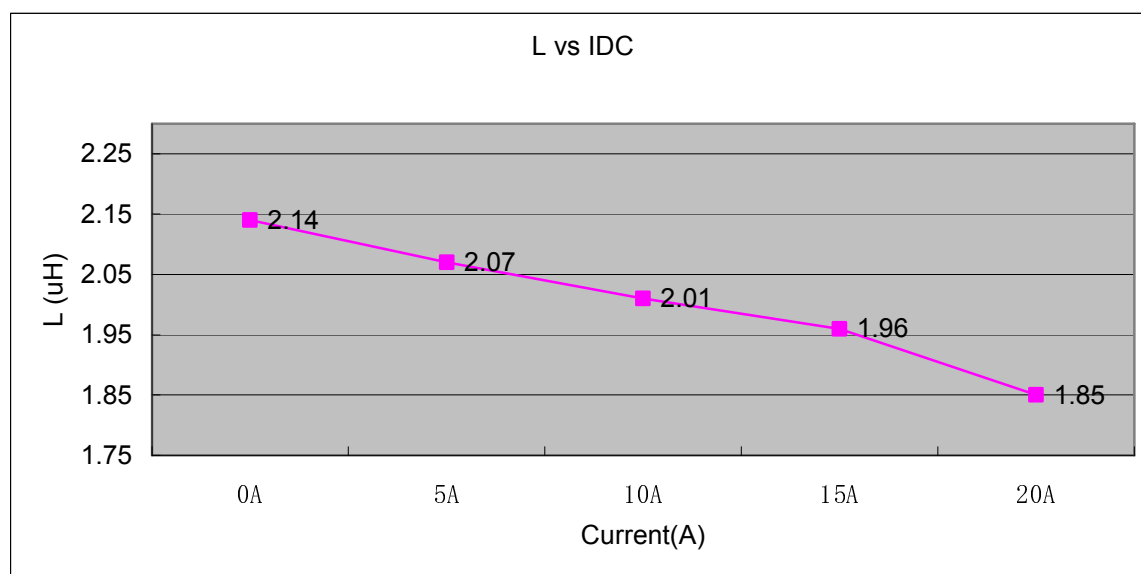
ITEM	SPEC. RANGE	TEST CONDITION	TEST INSTRUMENTS
L(0A)	$2.2\mu\text{H}\pm 20\%$	100KHZ/1V (Mode 1)	DU-6021
L(15A)	$L(15A)\geq 80\%$		WK3260B&WK3265B
DCR	4.0mOHM (MAX)		DU-5010
IR(COIL-CORE)	100MOHM MIN	DC 200V	DU-332
HIPOT(COIL-CORE)	1mA MAX	AC 250V(6S)	DU-332

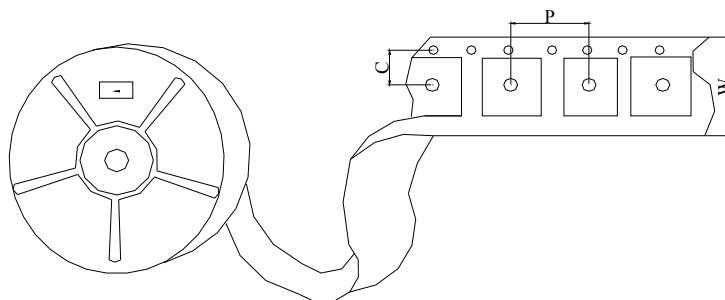
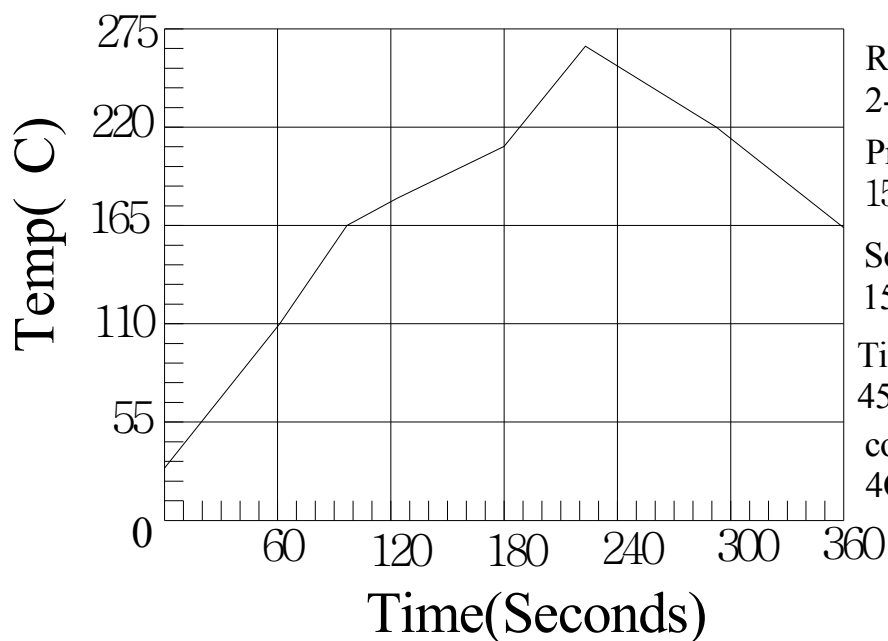
3.TEST DATA

ITEM	L(0A)	L(15A)		DCR	IR (COIL-CO RE)	HIPOT (COIL-CO RE)
TEST CON.	100KHz/1V				DC 200V	AC 250V(6S)
SPEC	2.2 μ H \pm 20%	L(15A) \geq 80%		4.0mOHM MAX	100MOH M MIN	1mA MAX
MAX	2.64			4		1
MIN	1.76				100	
1	2.15	96.62		3.83	OK	OK
2	2.11	96.81		3.81	OK	OK
3	2.09	97.14		3.82	OK	OK
4	2.23	96.25		3.78	OK	OK
5	2.16	96.38		3.81	OK	OK
REMARK:						

4.MATERIAL LIST

NO.	PART NAME	DISCRIPTION	SUPPLIER	REMARK
1	E CORE	AB0550-65	YIZHEN	BLACK
2	I CORE	AT0510	YIZHEN	BLACK
3	COPPER	0.35*2.4	PROJECT	
4	EPOXY	S-T3		
5	SOLDER	Sn96.5Ag3Cu0.5		

5. L VS IDC


6.PACKAGE

Carrier Dimensions:
P=20.0mm
C=11.5mm
W=24.0mm
Quantity per Reel: 400pcs
Reel Size:330mm
7.IR Profile

Rate of Rise:
 2-3C/Sec Max.

Pre-Heat:
 150C/90 Sec Max

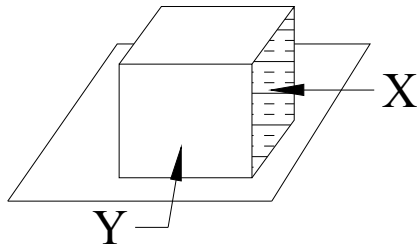
Soak:
 150-170C/60-90 Sec

Time Above 217C:
 45-75 Sec

cool down:
 4C Max./Sec

8.GENERAL CHARACTERISTICS

Operating Temperature	-30 to+100°C (Contain Heating Coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	



After soldering, between copper plane and terminals of coil, push in two directions of X, Y with standing as below conditions. terminal should not peel off. (refer to figure at left)

HEAT endurance of flow soldering	Refer to figure (7.IR Profile)
Insulating resistance	Over 100MΩ at 200V D.C. between wire and core.
Dielectric Strength	NO dielectric breakdown at 100V D.C. for 1minute between wire and core.
Temperature characteristics	Inductance coefficient $(0\sim 2,000)\times 10^{-6}/^{\circ}\text{C}$ (-25~+80°C)
Humidity characteristics	Inductance deviation within±5%, after 96 hours in 90~95% relative humidity at 40±2°C and 1 hour drying under normal condition.
Vibration resistance	inductance deviation within±5%, after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10Hz) with 1.5mm p-p amplitude.