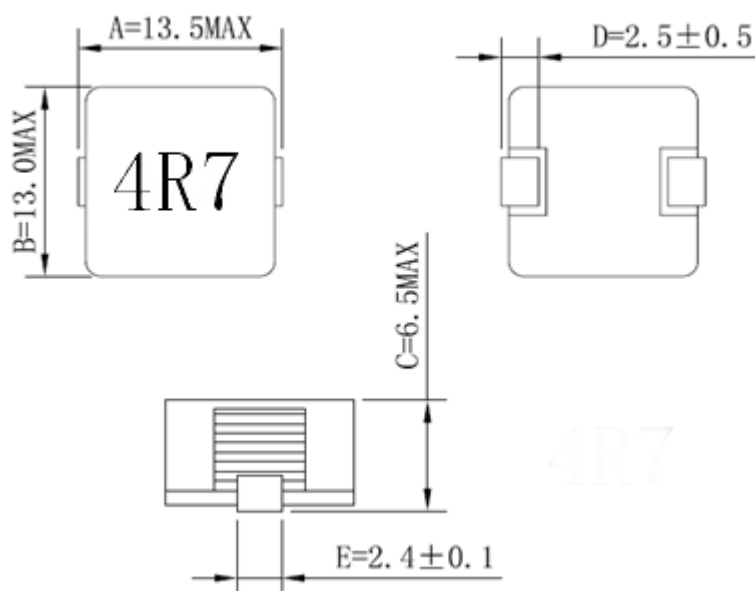
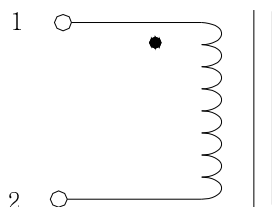


**1.Drawing(UNIT:mm)**

ASSEMBLY


**SCHEMATICS**

**2.ELECTRICAL CHARACTERISTICS @25°C**

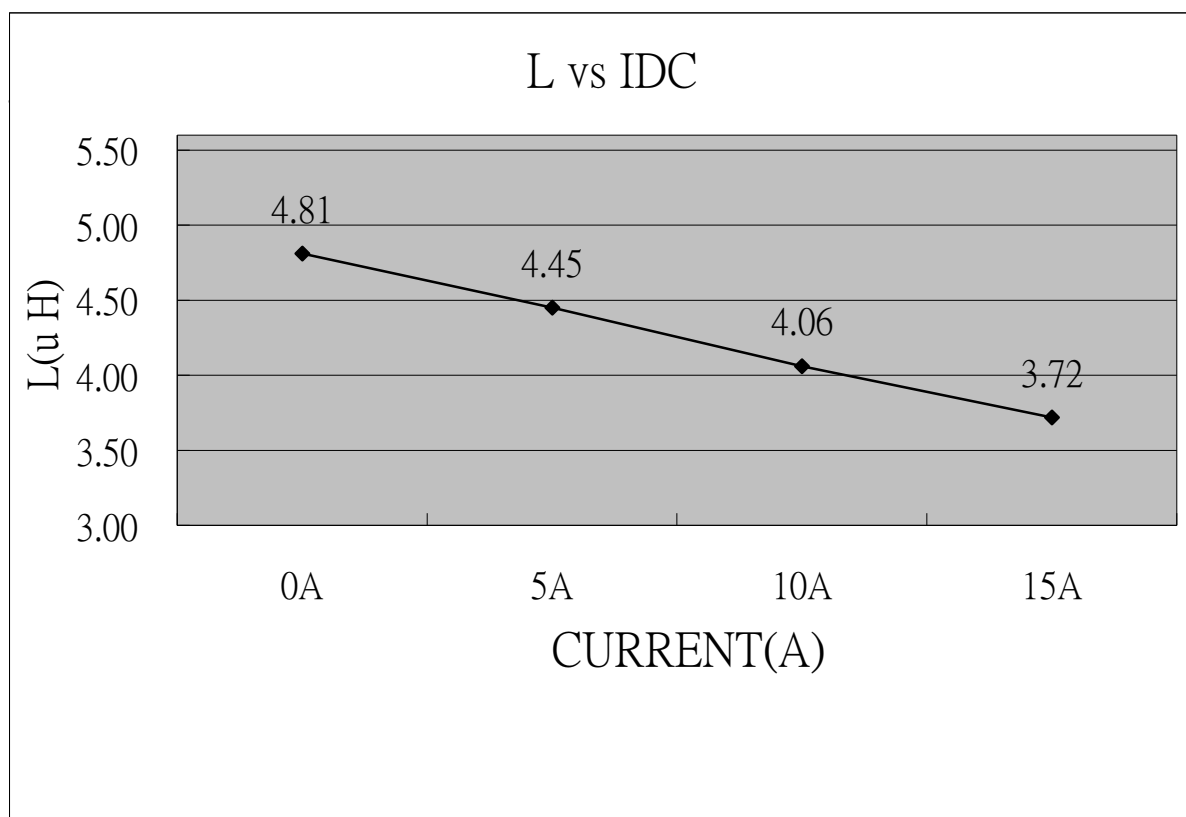
ITEM	SPEC. RANGE	TEST CONDITION	TEST INSTRUMENTS
L(0A)	4.7 $\mu$ H $\pm$ 20%	100KHZ/1V (Mode 1)	DU-6021
L(15A)	L(15A) $\geq$ 70%		WK3260B&WK3265B
DCR	7.7mOHM (MAX)		DU-5010
IR(COIL-CORE)	100MOHM MIN	DC 200V	DU-332
HIPOT(COIL-CORE)	1mA MAX	AC 250V(5S)	DU-332

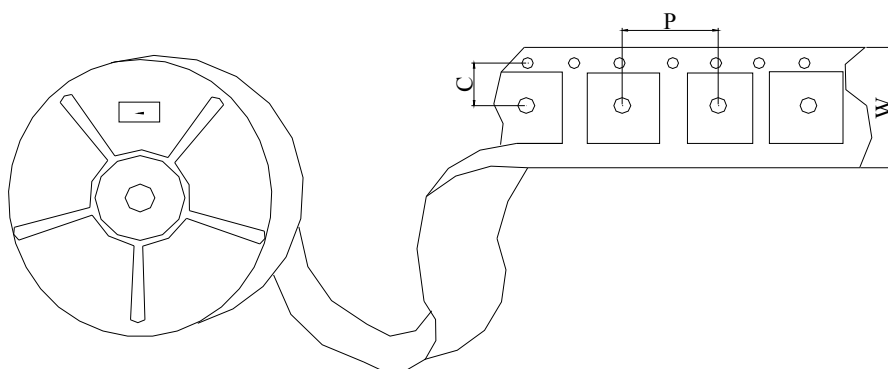
**3.TEST DATA**

ITEM	L(0A)	L(15A)		DCR	IR(COIL-CORE)	HIPOT (COIL-CORE)
TEST CON.	100KHz/1V				DC 200V	AC 250V(5S)
SPEC	4.7 $\mu$ H $\pm$ 20%	L(15A) $\geq$ 70%		7.7mOHM MAX	100MOHM MIN	1mA MAX
MAX	5.64			7.7		1
MIN	3.76				100	
1	4.90	78.54		6.88	OK	OK
2	4.79	80.65		6.87	OK	OK
3	4.68	81.25		6.79	OK	OK
4	4.85	79.61		6.82	OK	OK
5	4.62	79.68		6.81	OK	OK
6	4.86	80.16		6.79	OK	OK
7	4.74	81.05		6.78	OK	OK
8	4.83	79.37		6.84	OK	OK
9	4.85	80.61		6.81	OK	OK
10	4.75	80.88		6.80	OK	OK

**4.MATERIAL LIST**

NO.	PART NAME	DESCRIPTION	SUPPLIER	SGS No.
1	I CORE	AT0510	YZ	
2	E CORE	AB0550-75	YZ	
3	COPPER	0.24*8.5TS	PRJ.	
4	EPOXY	S-T3		
5	SOLDER	Sn96.5Ag3Ca0.5		

**5. L VS IDC**


**6.PACKAGE**


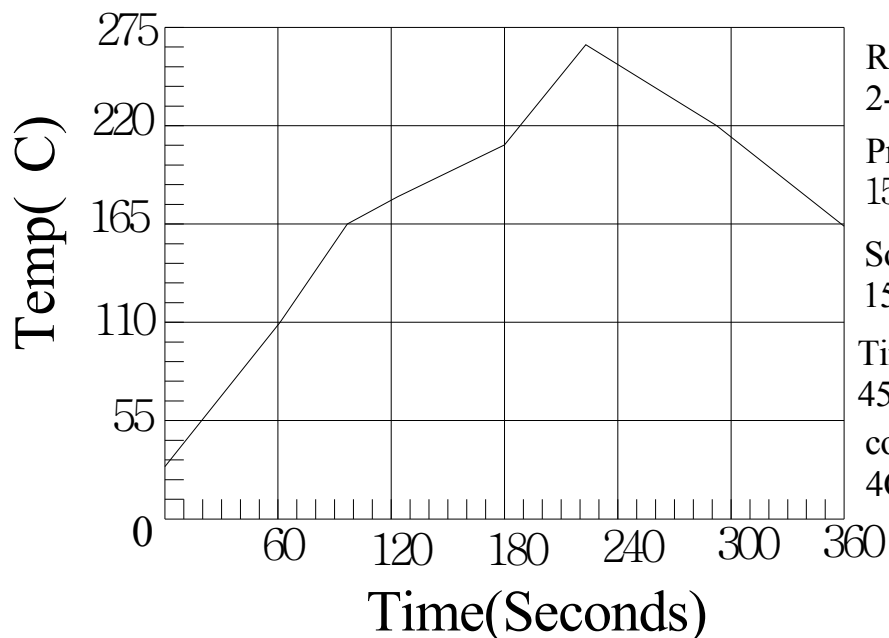
Carrier Dimensions:    Quantity per Reel: **400pcs**

P=16.0mm

C=11.5mm

Reel Size: 330mm

W=24.0mm

**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:

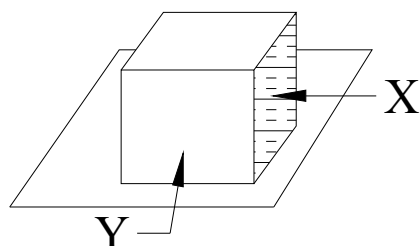
4C Max./Sec

## 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 (0~2,000)x10<sup>6</sup>/°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.