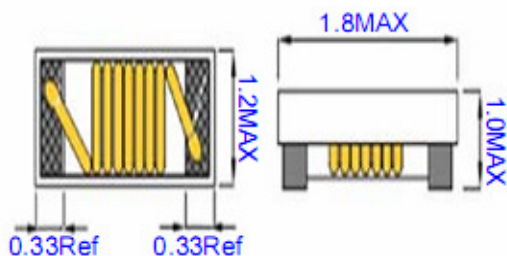
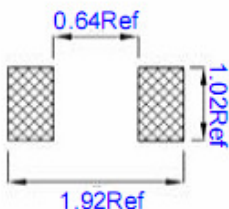


### SHAPE & DIMENSION (UNIT:mm)



### PAD LAYOUT(MM):



### ELECTREICAL SPECIFICATION

MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	4.7	$\mu\text{H}$	$\pm$	10%	7.9MHz/0.1V	Ta=25°C, Idc=0A
<b>DCR</b>	970	m $\Omega$	30%.			Ta=25°C
<b>Isat</b>	0.40	A	TYP		100KHz/1V	$\Delta L/L \leq 30\%$
<b>Irms</b>	0.42	A	TYP		100KHz/1V	$\Delta \leq 40^\circ\text{C}$

### GENERAL SPECIFICATION

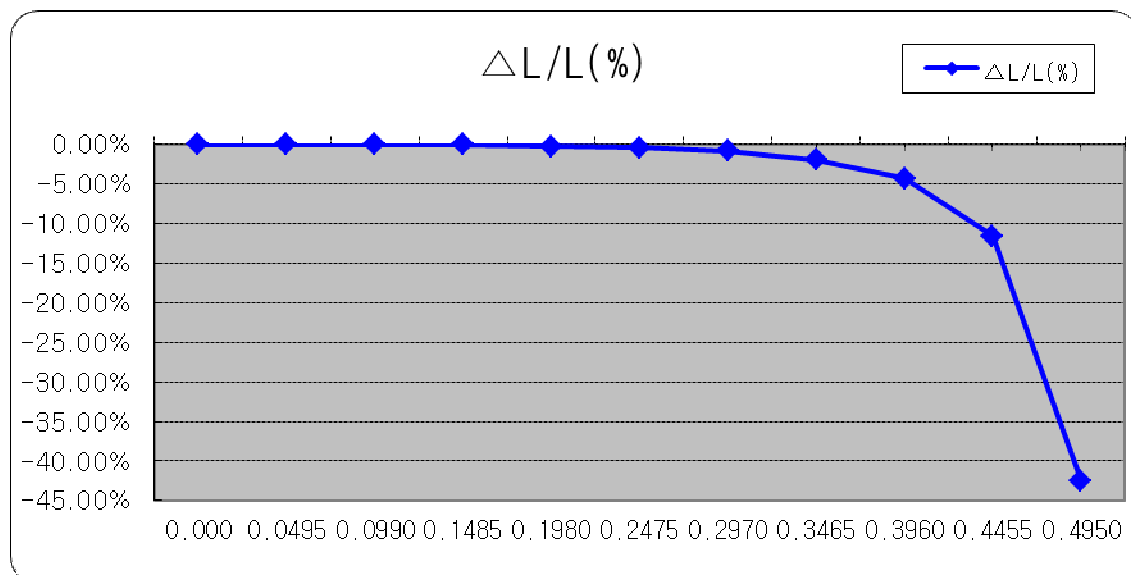
Electrical specifications :	at 25°C
Operation Temperature:	-40~+125°C
Storage Temperature:	-40~+125°C

(1)WIRE TYPE:  $\phi$  0.05mm

(2)WINDING: 32.5Ts(Ref.)

**Isat(飽和電流):電感瞬間的突波電流**

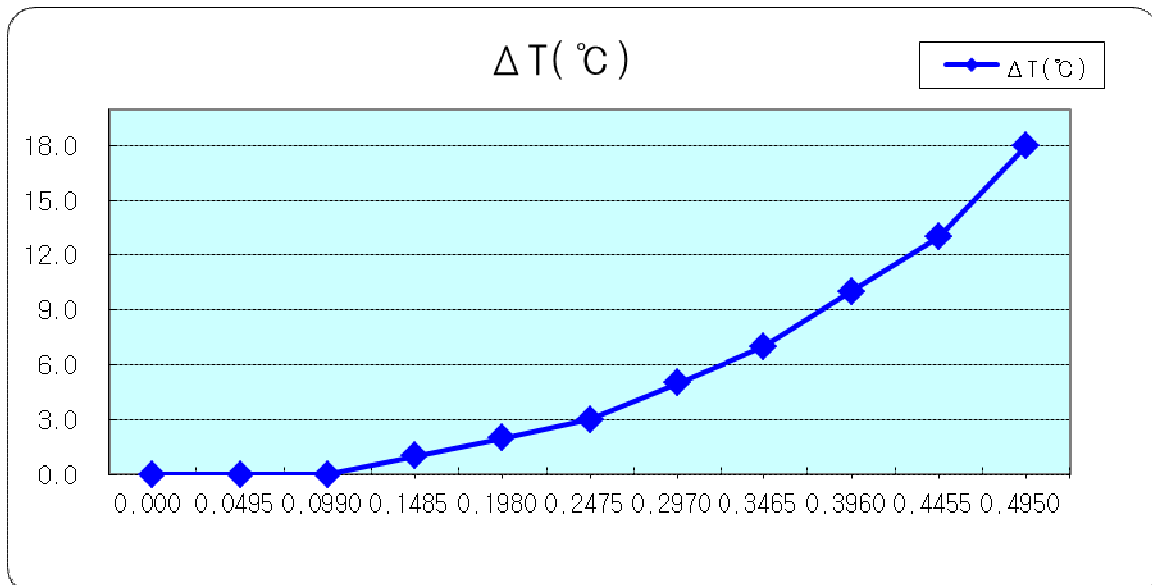
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.000	4.66	0.00%
1	0.0495	4.66	0.00%
1	0.0990	4.66	0.00%
1	0.1485	4.66	0.00%
1	0.1980	4.65	-0.21%
1	0.2475	4.64	-0.43%
1	0.2970	4.62	-0.86%
1	0.3465	4.57	-1.93%
1	0.3960	4.46	-4.29%
1	0.4455	4.12	-11.59%
1	0.4950	2.68	-42.49%



**單點溫昇**
**CMCW1608F4R7KTT**

TIME(S)	Irms(A)	L(uH)	$\Delta L/L(\%)$	Temp( $^{\circ}\text{C}$ )	$\Delta T(^{\circ}\text{C})$
30	0.000	4.66	0.00%	30.0	0.0
30	0.0495	4.65	-0.21%	30.0	0.0
30	0.0990	4.64	-0.43%	30.0	0.0
30	0.1485	4.63	-0.64%	31.0	1.0
30	0.1980	4.62	-0.86%	32.0	2.0
30	0.2475	4.60	-1.29%	33.0	3.0
30	0.2970	4.53	-2.79%	35.0	5.0
30	0.3465	4.48	-3.86%	37.0	7.0
30	0.3960	4.25	-8.80%	40.0	10.0
30	0.4455	3.52	-24.46%	43.0	13.0
30	0.4950	1.73	-62.88%	48.0	18.0

※DC bias current characteristics in the ambient temperature 25 $^{\circ}\text{C}$  Frequency 7.9MHz/0.2V



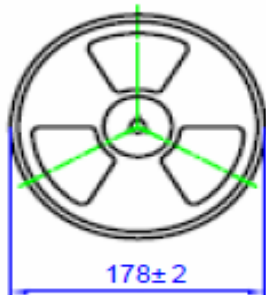
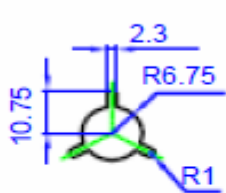
**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.	L	D.C.R			长	宽	高
ITEM	μH	mΩ			mm	mm	mm
SPEC.	4.7	970			Max.1.8	Max.1.2	Max.1.0
	±	±					
	10%	30%					
TEST	7.9MHz/0.1V		"Isat 0.4A	ΔL/L ≤ 30%			
FREQ.							
1	4.66	793	4.40	-5.6%	1.67	1.05	0.99
2	4.63	792	4.38	-5.4%	1.65	1.06	0.98
3	4.64	802	4.37	-5.8%	1.66	1.04	0.97
4	4.66	799	4.39	-5.8%	1.68	1.13	0.96
5	4.66	797	4.40	-5.6%			
6	4.62	794	4.35	-5.8%			
7	4.66	803	4.39	-5.8%			
8	4.65	803	4.37	-6.0%			
9	4.65	804	4.38	-5.8%			
10	4.64	805	4.36	-6.0%			
AVG.	4.647	799.2	4.379	-5.77%			
R	0.04	13	1.60	-4.20%			

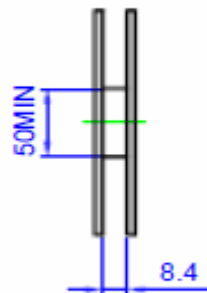
PACKAGING

热封包装

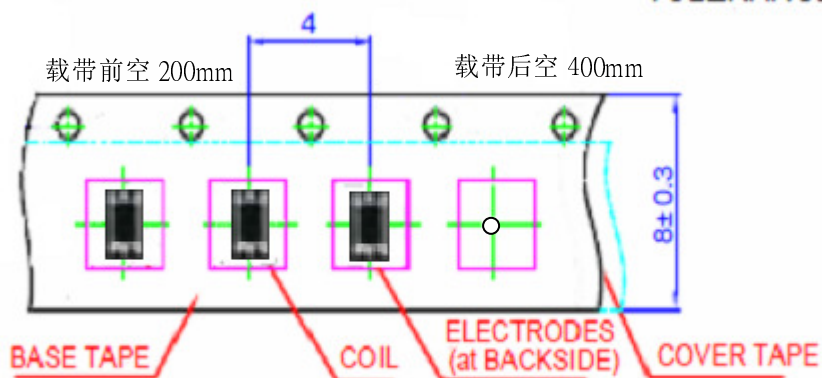
Reel dimensions



UNIT:mm



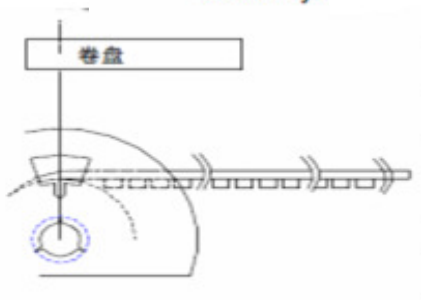
Tape dimensions



UNIT:mm  
TOLERANCE:±0.1

Packaging

Quantity: **4000** pcs/reel



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