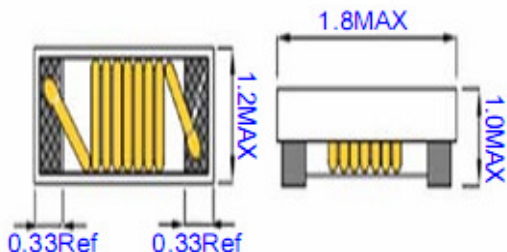
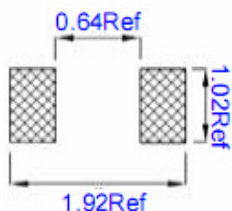


**SHAPE & DIMENSION (UNIT:mm)**

**PAD LAYOUT(MM):**

**ELECREICAL SPECIFICATION**

MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
	Value	Unit	Tolerance	Other		
<b>L</b>	2.2	$\mu\text{H}$	$\pm$	10%	7.9MHz/0.1V	Ta=25°C, Idc=0A
<b>DCR</b>	560	m $\Omega$	30%			Ta=25°C
<b>Isat</b>	0.60	A	TYP		7.9MHz/0.2V	$\Delta L/L \leq 10\%$
<b>Irms</b>	0.58	A	TYP		7.9MHz/0.2V	$\Delta \leq 40^\circ\text{C}$
<b>SRF</b>	103	MHz	TYP			

**GENERAL SPECIFICATION**

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

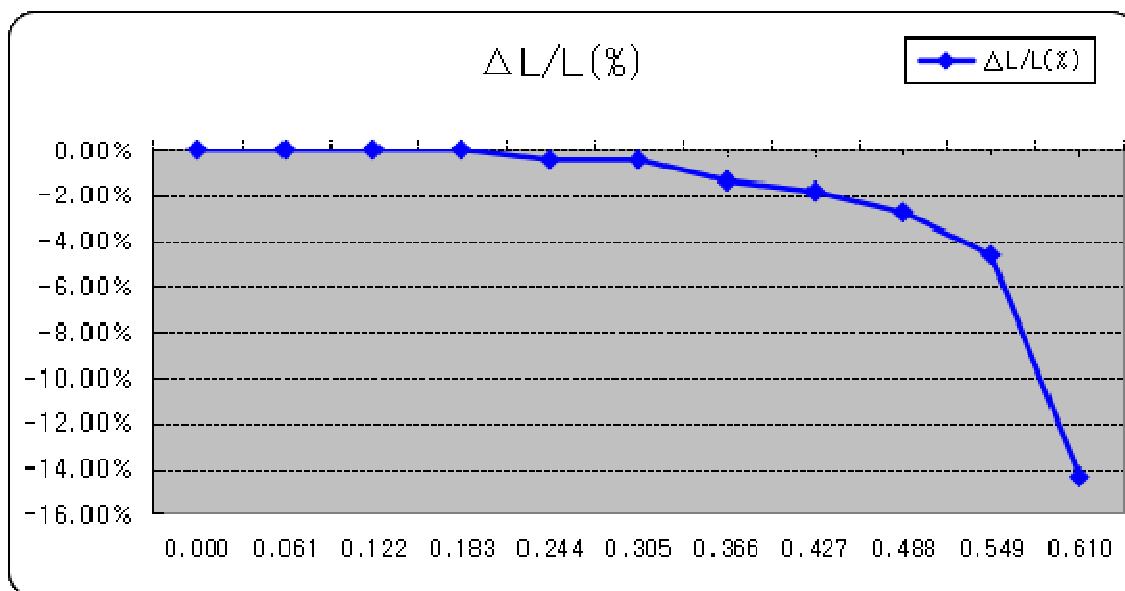
 (1)WIRE TYPE:  $\varnothing$  0.05mm

(2)WINDING: 22.5Ts(Ref.)

Isat(飽和電流):電感瞬間的突波電流

**CMCW1608F2R2KTT**

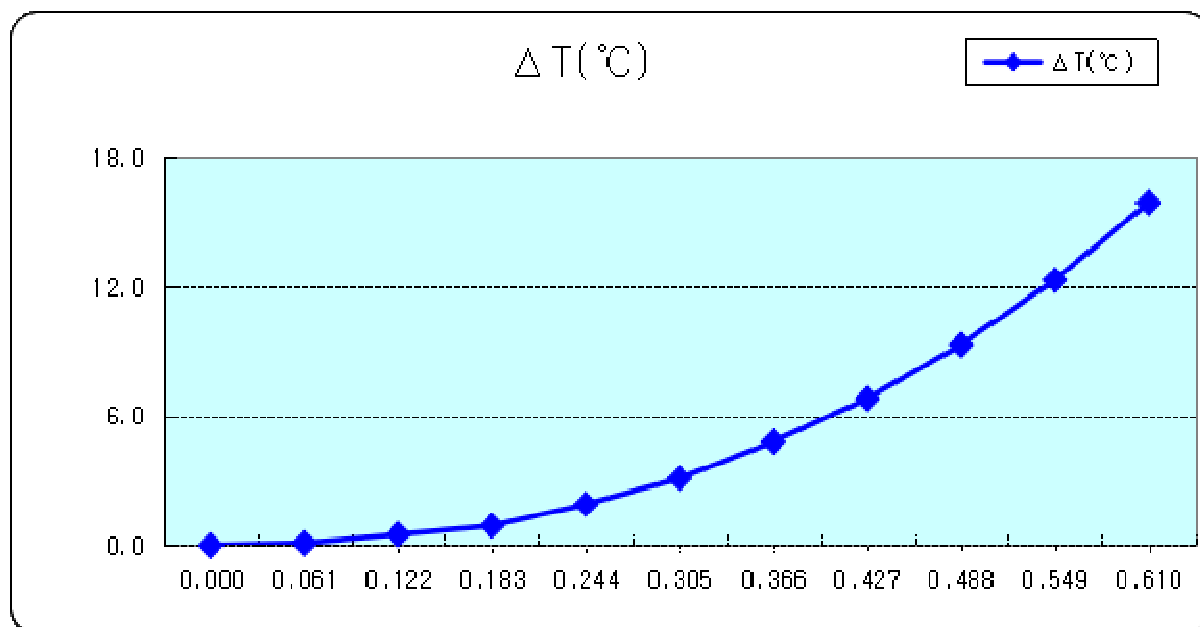
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.000	2.16	0.00%
1	0.061	2.16	0.00%
1	0.122	2.16	0.00%
1	0.183	2.16	0.00%
1	0.244	2.15	-0.46%
1	0.305	2.15	-0.46%
1	0.366	2.13	-1.39%
1	0.427	2.12	-1.85%
1	0.488	2.10	-2.78%
1	0.549	2.06	-4.63%
1	0.610	1.85	-14.35%



**單點溫昇**

TIME(S)	Irms(A)	L(uH)	$\Delta L/L(\%)$	Temp( $^{\circ}\text{C}$ )	$\Delta T(^{\circ}\text{C})$
30	0.000	2.11	0.00%	29.4	0.0
30	0.061	2.11	0.00%	29.5	0.1
30	0.122	2.11	0.00%	29.9	0.5
30	0.183	2.10	-0.47%	30.3	0.9
30	0.244	2.10	-0.47%	31.3	1.9
30	0.305	2.09	-0.95%	32.5	3.1
30	0.366	2.07	-1.90%	34.2	4.8
30	0.427	2.04	-3.32%	36.2	6.8
30	0.488	2.00	-5.21%	38.7	9.3
30	0.549	1.92	-9.00%	41.7	12.3
30	0.610	1.76	-16.59%	45.3	15.9

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



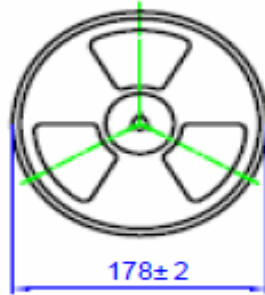
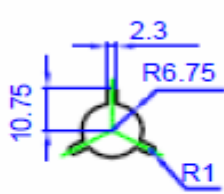
**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION						DIMENSION (Unit: mm)		
MEAS.	L	D.C.R			SRF	长	宽	高
ITEM	μH	mΩ			MHz	mm	mm	mm
SPEC.	2.2	560			103	Max.1.8	Max.1.2	Max.1.0
	±	±			Typ.			
	10%	30%						
TEST								
FREQ.	7.9MHz/0.2V		Isat 0.6A	$\Delta L/L \leq$ 10%				
1	2.18	550	1.98	-9.2%	86.14	1.76	1.03	0.96
2	2.15	555	1.96	-8.8%	85.65	1.68	1.05	0.97
3	2.16	554	1.99	-7.9%	86.64	1.67	1.06	0.98
4	2.14	556	1.98	-7.5%	80.20	1.78	1.02	0.96
5	2.20	554	2.02	-8.2%	84.66	1.74	1.04	0.95
6	2.21	557	2.01	-9.0%	83.67			
7	2.16	549	1.97	-8.8%	83.15			
8	2.18	554	2.00	-8.3%	81.19			
9	2.17	553	1.98	-8.8%	86.14			
10	2.19	556	2.00	-8.7%	80.70			
AVG.	<b>2.174</b>	<b>553.8</b>	<b>1.989</b>	<b>-8.51%</b>	<b>83.814</b>			
R	<b>0.07</b>	<b>8</b>	<b>1.60</b>	<b>-4.20%</b>	<b>6.44</b>			

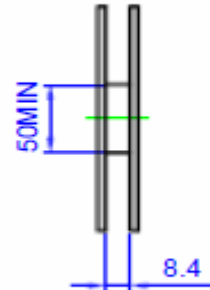
PACKAGING

热封包装

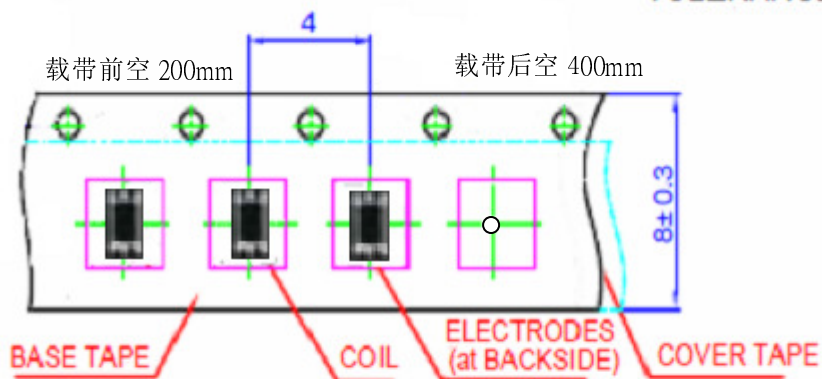
Reel dimensions



UNIT:mm



Tape dimensions



UNIT:mm  
TOLERANCE:±0.1

Packaging

Quantity: **4000** pcs/reel

