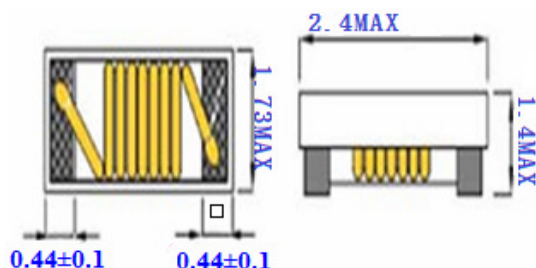
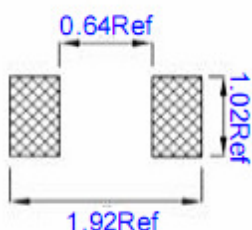


SHAPE & DIMENSION (UNIT:mm)

PAD LAYOUT(MM):

ELECREICAL SPECIFICATION

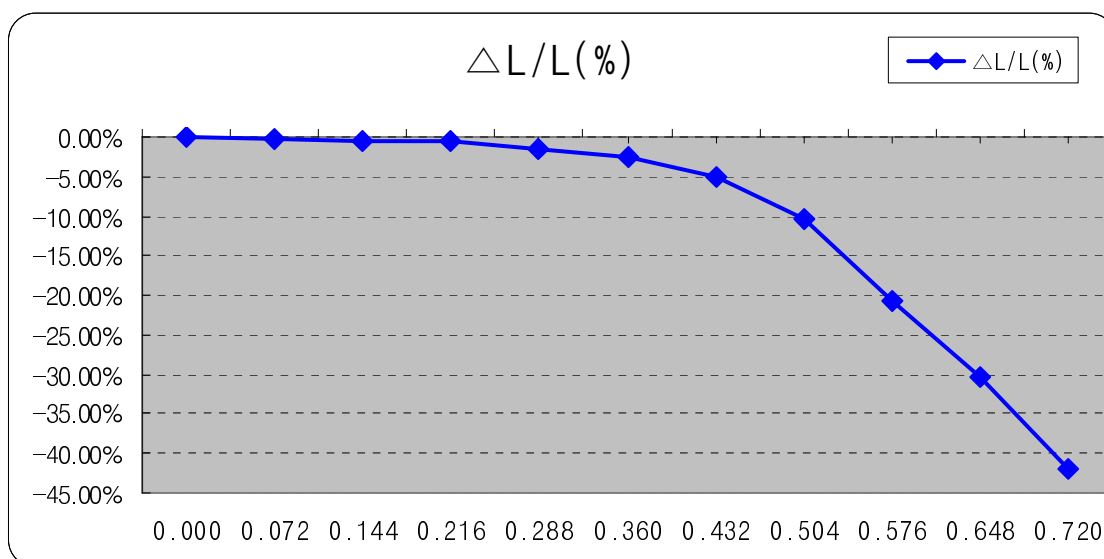
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
L	4.7	μH	\pm	10%	7.9 MHz/0.1V	Ta=25°C, Idc=0A
DCR	430	m Ω	\pm	30%		Ta=25°C
Isat	0.52A MAX(0.63A TYP)				100KHz/1V	$\Delta L/L \leq 30\%$
Irms	0.84A MAX(0.99A TYP)				100KHz/1V	$\Delta \leq 40^\circ\text{C}$

GENERAL SPECIFICATION

Electrical specifications :	at 25°C
Operation Temperature:	-40~+125°C
Storage Temperature:	-40~+125°C
(1)WIRE TYPE: ϕ 0.07mm	
(2)WINDING:28.5Ts(Ref.)	

Isat(飽和電流):電感瞬間的突波電流

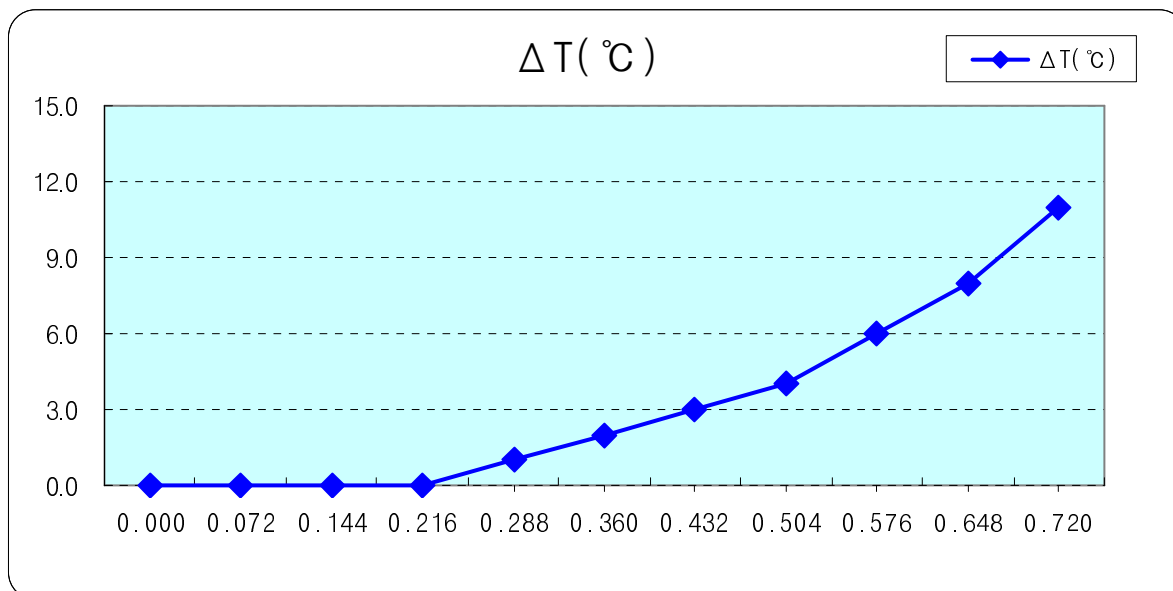
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.000	4.75	0.00%
1	0.072	4.74	-0.21%
1	0.144	4.73	-0.42%
1	0.216	4.72	-0.63%
1	0.288	4.68	-1.47%
1	0.360	4.63	-2.53%
1	0.432	4.51	-5.05%
1	0.504	4.26	-10.32%
1	0.576	3.76	-20.84%
1	0.648	3.31	-30.32%
1	0.720	2.76	-41.89%



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	4.72	0.00%	30.0	0.0
30	0.072	4.71	-0.21%	30.0	0.0
30	0.144	4.70	-0.42%	30.0	0.0
30	0.216	4.70	-0.42%	30.0	0.0
30	0.288	4.68	-0.85%	31.0	1.0
30	0.360	4.64	-1.69%	32.0	2.0
30	0.432	4.55	-3.60%	33.0	3.0
30	0.504	4.43	-6.14%	34.0	4.0
30	0.576	4.05	-14.19%	36.0	6.0
30	0.648	3.52	-25.42%	38.0	8.0
30	0.720	2.58	-45.34%	41.0	11.0

※DC bias current characteristics in the ambient temperature 25 $^{\circ}\text{C}$ Frequency 7.9 MHz/0.1V



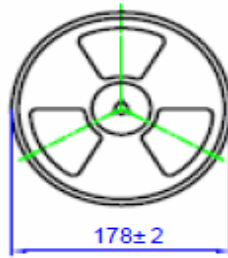
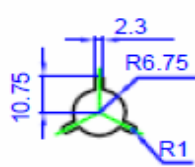
TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.	L	D.C.R			长	宽	高
ITEM	μH	mΩ			mm	mm	mm
SPEC.	4.7	430			Max.2.4	Max.1.73	1.3±0.1
	±	±					
	10%	30%					
TEST	7.9MHz/0.1		Isat	ΔL/L ≤ 30%			
FREQ.	V		0.52A				
1	4.69	470	4.40	-6.2%	2.25	1.63	1.27
2	4.74	472	4.44	-6.3%	2.26	1.64	1.27
3	4.72	470	4.40	-6.8%	2.22	1.65	1.26
4	4.70	470	4.36	-7.2%	2.26	1.64	1.29
5	4.73	469	4.41	-6.8%	2.24	1.62	1.24
6	4.75	474	4.42	-6.9%			
7	4.71	471	4.41	-6.4%			
8	4.65	470	4.43	-4.7%			
9	4.71	476	4.41	-6.4%			
10	4.76	470	4.46	-6.3%			
AVG.	4.716	471.2	4.410	-6.40%			
R	0.11	7	1.60	-4.20%			

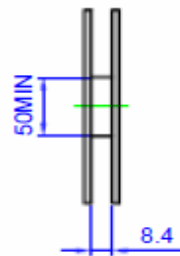
PACKAGING

热封包装

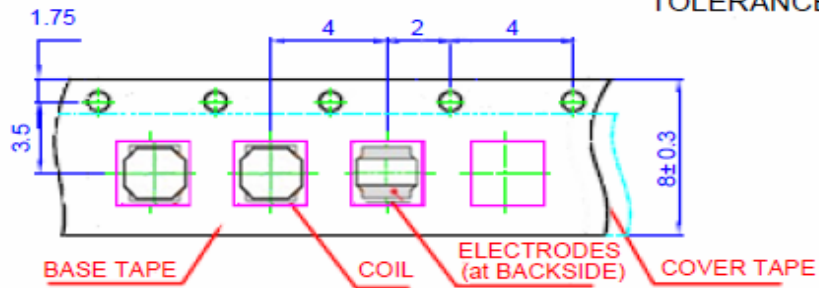
Reel dimensions



UNIT:mm



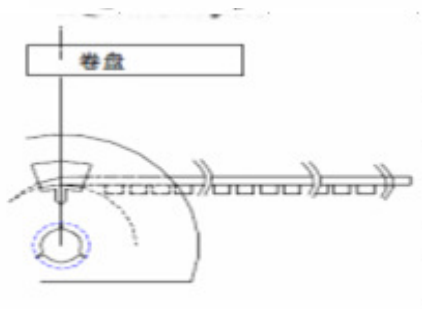
Tape dimensions



UNIT:mm
TOLERANCE:±0.1

Packaging

Quantity: 2000 pcs/reel



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