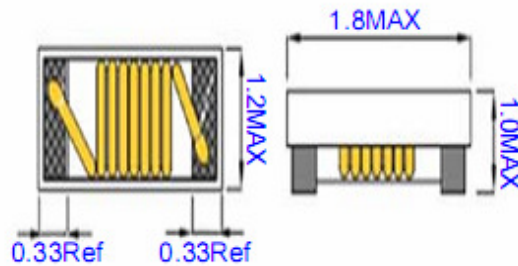


SHAPE & DIMENSION (UNIT:mm)

ELECTRICAL SPECIFICATION

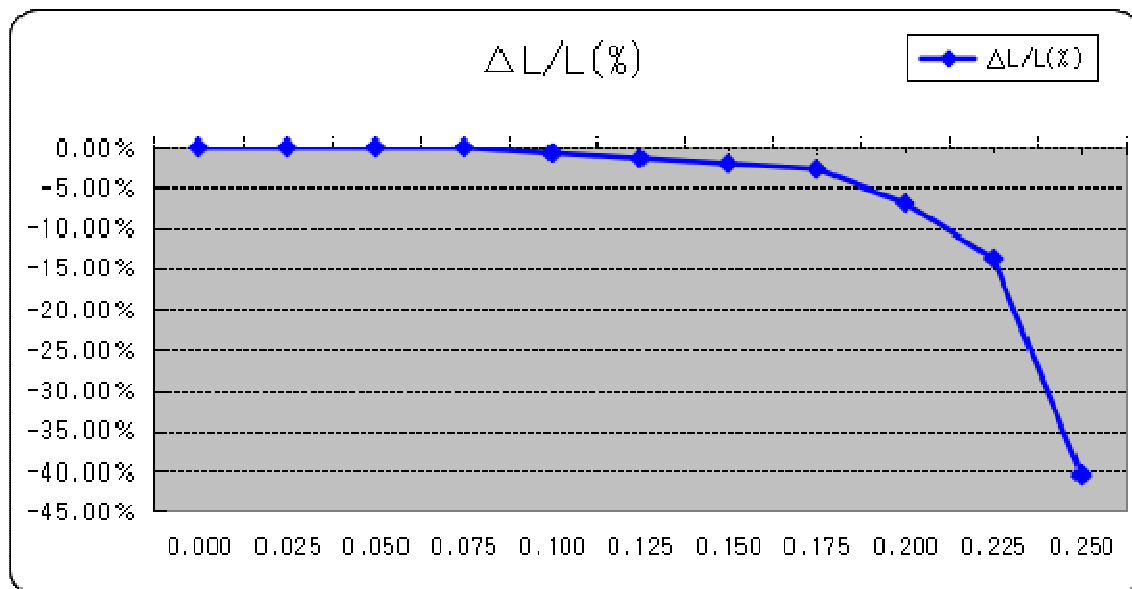
| MEAS. ITEM | SPEC. | | | | TEST FREQ. | CONDITIONS |
|-------------|-------------|-----------|------------|------------|--------------------|------------------------|
| L | 15 | μH | ± | 10% | 2.5MHz/0.1V | Ta=25°C, Idc=0A |
| DCR | 3.70 | Ω | ± | 20% | | Ta=25°C |
| Isat | 0.20 | A | MAX | | 2.5MHz/0.1V | ΔL/L ≤ 30% |
| Irms | 0.24 | A | MAX | | 2.5MHz/0.1V | ΔT ≤ 40°C |

GENERAL SPECIFICATION

| | |
|------------------------------------|------------|
| Electrical specifications : | at 25°C |
| Operation Temperature: | -40~+125°C |
| Storage Temperature: | -40~+125°C |
| (1)WIRE TYPE: \varnothing 0.03mm | |
| (2)WINDING: 57.5Ts(Ref.) | |

Isat(飽和電流):電感瞬間的突波電流

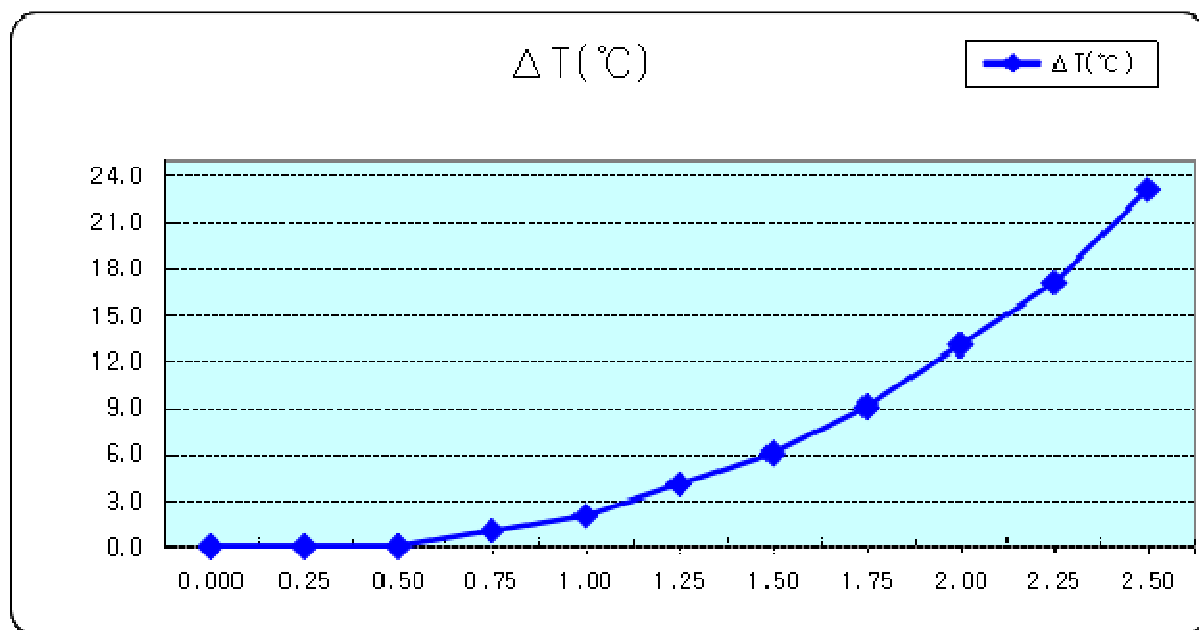
| TME(秒) | Lsat(A) | L(UH) | $\Delta L/L(\%)$ |
|--------|---------|-------|------------------|
| 1 | 0.000 | 14.5 | 0.00% |
| 1 | 0.025 | 14.5 | 0.00% |
| 1 | 0.050 | 14.5 | 0.00% |
| 1 | 0.075 | 14.5 | 0.00% |
| 1 | 0.100 | 14.4 | -0.69% |
| 1 | 0.125 | 14.3 | -1.38% |
| 1 | 0.150 | 14.2 | -2.07% |
| 1 | 0.175 | 14.1 | -2.76% |
| 1 | 0.200 | 13.5 | -6.90% |
| 1 | 0.225 | 12.5 | -13.79% |
| 1 | 0.250 | 8.63 | -40.48% |



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 | 14.80 | 0.00% | 29.0 | 0.0 |
| 30 | 0.25 | 14.80 | 0.00% | 29.0 | 0.0 |
| 30 | 0.50 | 14.80 | 0.00% | 29.0 | 0.0 |
| 30 | 0.75 | 14.70 | -0.68% | 30.0 | 1.0 |
| 30 | 1.00 | 14.70 | -0.68% | 31.0 | 2.0 |
| 30 | 1.25 | 14.60 | -1.35% | 33.0 | 4.0 |
| 30 | 1.50 | 14.50 | -2.03% | 35.0 | 6.0 |
| 30 | 1.75 | 14.30 | -3.38% | 38.0 | 9.0 |
| 30 | 2.00 | 13.80 | -6.76% | 42.0 | 13.0 |
| 30 | 2.25 | 11.70 | -20.95% | 46.0 | 17.0 |
| 30 | 2.50 | 6.27 | -57.64% | 52.0 | 23.0 |

※DC bias current characteristics in the ambient temperature 25 $^{\circ}\text{C}$ Frequency 2.5MHz/0.1V



TEST DATA FOR PREPRODUCTION SAMPLE

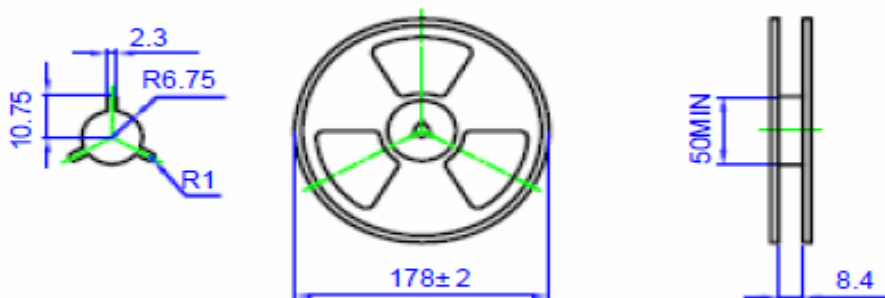
| TEST RESOLUTION | | | | | DIMENSION (Unit: mm) | | |
|-----------------|---------------|-------------|---------------|------------------------|----------------------|---------|---------|
| MEAS. | L | D.C.R | | | 长 | 宽 | 高 |
| ITEM | uH | Ω | | | mm | mm | mm |
| SPEC. | 15 | 3.7 | | | 1.80Max | 1.20Max | 1.0±0.1 |
| | ± | ± | | | | | |
| | 10% | 20% | | | | | |
| TEST | 2.5MHz/0.1 | | Isat | $\Delta L/L \leq 30\%$ | | | |
| FREQ. | V | | 0.2A | | | | |
| 1 | 14.5 | 3.78 | 13.5 | -6.9% | 1.65 | 1.06 | 0.97 |
| 2 | 14.3 | 3.80 | 13.2 | -7.7% | 1.64 | 1.05 | 0.98 |
| 3 | 14.7 | 3.76 | 13.4 | -8.8% | 1.68 | 1.04 | 0.95 |
| 4 | 15.0 | 3.78 | 14.0 | -6.7% | 1.65 | 1.13 | 0.96 |
| 5 | 14.8 | 3.78 | 13.5 | -8.8% | 1.69 | 1.07 | 0.99 |
| 6 | 14.2 | 3.84 | 13.7 | -3.5% | | | |
| 7 | 14.6 | 3.76 | 13.2 | -9.6% | | | |
| 8 | 15.2 | 3.77 | 13.4 | -11.8% | | | |
| 9 | 14.8 | 3.83 | 13.2 | -10.8% | | | |
| 10 | 14.2 | 3.85 | 14.0 | -1.4% | | | |
| AVG. | 14.630 | 3.8 | 13.510 | -7.61% | | | |
| R | 1 | 0.09 | 1.60 | -4.20% | | | |

PACKAGING

热封包装

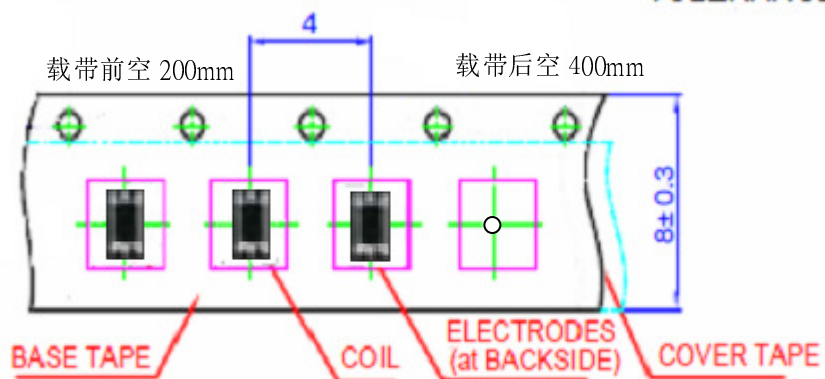
Reel dimensions

UNIT:mm



Tape dimensions

UNIT:mm
TOLERANCE:±0.1



Packaging

Quantity: **4000** pcs/reel



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[MLZ1608N1R5LT000](#) [B82432C1333K000](#) [PCMB053T-1R0MS](#) [PCMB053T-1R5MS](#) [PCMB104T-1R5MS](#) [CR32NP-100KC](#) [CR32NP-](#)

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