• DESCRIPTION

BEAD CORE

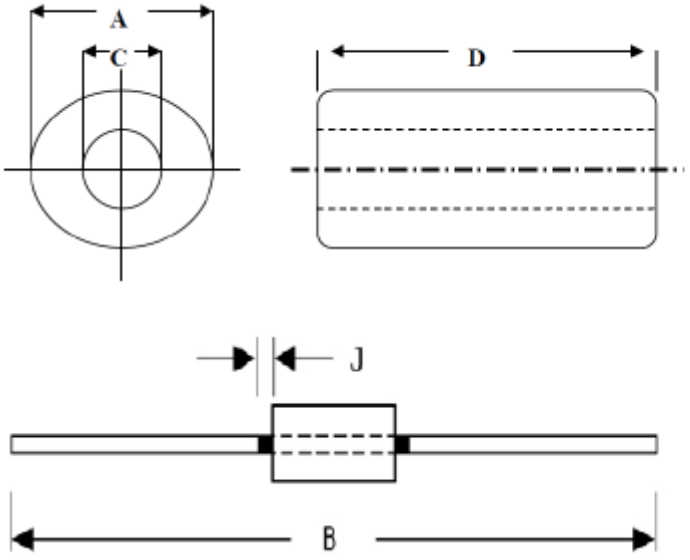
• ELECTRICAL REQUIREMENTS

1. IMPEDANCE: 60Ω MIN AT 100MHz
2. IMPEDANCE: 35Ω MIN AT 25MHz

• TEST METHOD

1. TEST EQUIPMENT: HP4291A
2. TEST FREQUENCY : 100MHz, 0.5V

• DIMENSION (UNIT:mm)



A= 3.50±0.25m/m

B= 63.0±1.00m/m

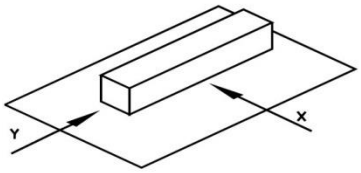
C= 0.80±0.15m/m

D= 4.70±0.30m/m

J= 0.80mm MAX.

• RELIABILITY TEST

1. Operating temperature range:
   -30 TO + 105°C (Includes temperature when the coil is heated)
2. External appearance:
   On visual inspection, the coil has no external defects.
3. Terminal strength:
   Without damage, such as wire breaking or detachment of pin terminals, pulling the terminals for 60 seconds at below conditions.
   Tensile static loads 5.on 60sec.



4. Insulating resistance:
   Over 100MΩ at 100V D.C. between coil and core.
5. Dielectric strength:
   No dielectric breakdown at 100V D.C. for 1 minute between coil and core.
6. Temperature characteristics:
   Inductance coefficient (0~2,000)x10^{-6}/°C (-25~+80°C)
7. 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.
8. 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 amplitudes.
9. Shock resistance:
   Inductance deviation within ±5%, after being dropped once with 981m/s^2 (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations.
10. Resistance to Soldering Heat:

    260°C，10 seconds.

11. Storage environment:

    Storage condition:

    Temperature Range: 10℃ ~ 35℃ (Generally: 21℃ ~ 31℃)

    Humidity Range: 50% ~ 80% RH (Generally: 65% ~ 75%)

    Transportation condition:

    Temperature Range: -35℃ ~ 85℃

    Humidity Range: 50% ~ 95% RH

Use components within 12 months. If 12 months or more have elapsed, check solderability before use.