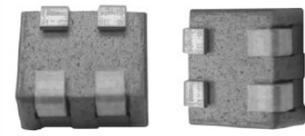


Surface Mount Ferrite Chip Beads Array



5.60 x 4.80 x 3.00mm

ACSB-05-T

Pb | RoHS/RoHS II Compliant

FEATURES:

- Suitable for high density mounting or where board space is at a premium.
- Superior attenuation across a broad frequency range up to GHz range.
- Wide operating temperature range of -40°C to +85°C.
- RoHS Compliant and lead free.

APPLICATIONS:

- Notebooks, Tablets, Smartphones, Cameras, DVD/Blu-ray players, LED TVs, Motherboards, Power Supplies, Modems

STANDARD SPECIFICATIONS:

PARAMETERS

| | |
|---|------------------------------|
| ABRACON P/N: | ACSB-05-T |
| Operating temperature: | -40°C to +85°C |
| Storage Temperature and Humidity (In Tape and Reel) | +5°C to +40°C, 60% to 70% RH |

Key Electrical Specifications

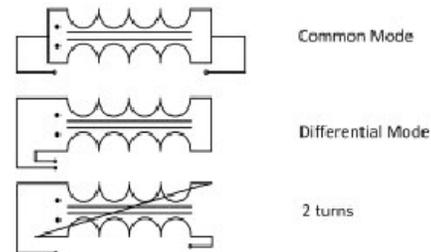
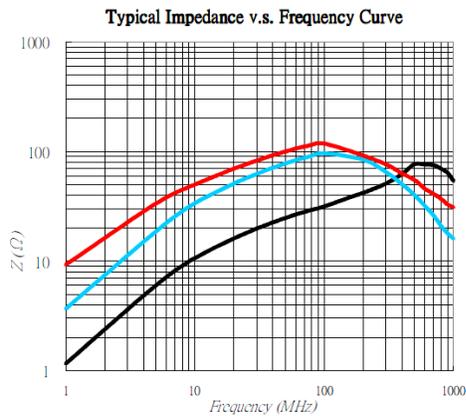
| Impedance | Test Frequency | RDC | IDC |
|-----------|----------------|----------------|-------|
| Ω | MHz | m Ω Max | A Max |
| 23 Ref | 25 | 3 | 5 |
| 35 Ref | 100 | | |

Test Conditions

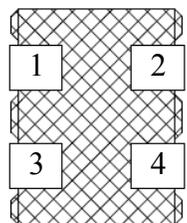
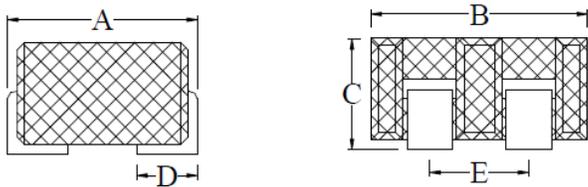
Instrument: Agilent 4294A Precision Impedance Analyzer.

IDC: Based on temperature rise (ΔT : 40°C TYP.)

ELECTRICAL CHARACTERISTIC CURVE

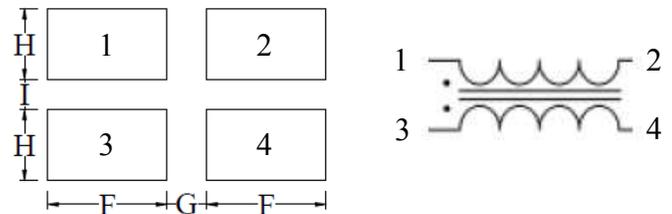


OUTLINE DIMENSIONS:



| A | B | C Max | D | E |
|-----------|-----------|-------|-----------|------------|
| 4.80±0.30 | 5.60±0.20 | 3.00 | 1.40±0.15 | 2.54±0.20* |

Recommended Land Pattern



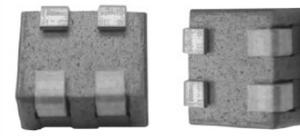
| F | G | H | I |
|-----------|-----------|-----------|-----------|
| 3.00 ref. | 1.00 ref. | 1.80 ref. | 0.74 ref. |

Dimension: mm

Surface Mount Ferrite Chip Beads Array

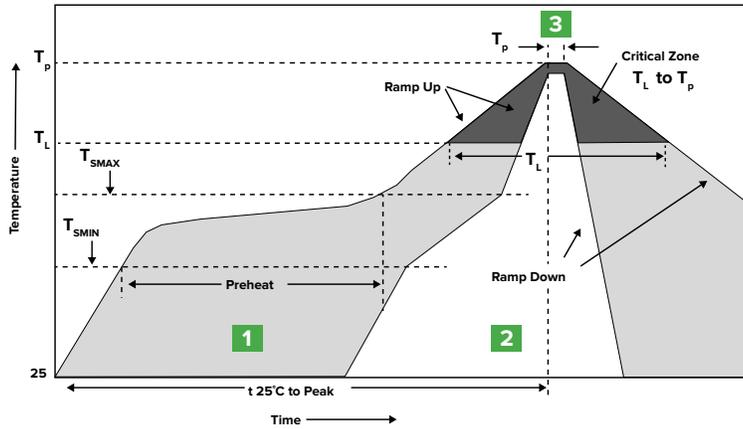
ACSB-05-T

 RoHS/RoHS II Compliant



5.60 x 4.80 x 3.00mm

REFLOW PROFILE:

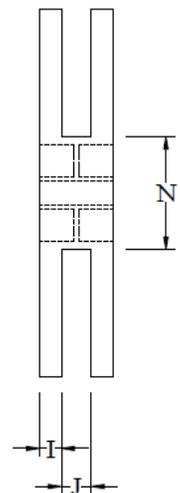
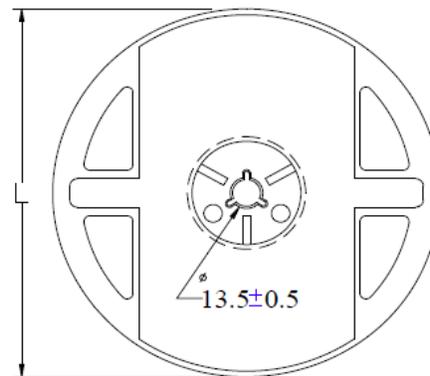
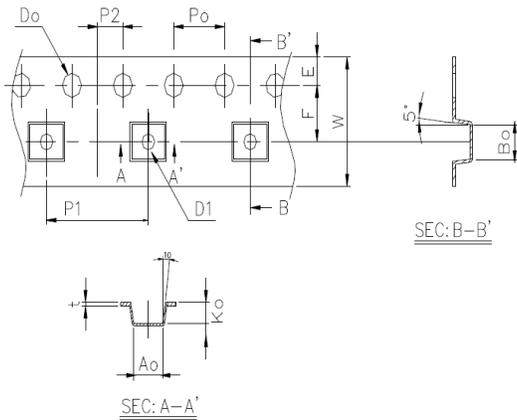


| Zone | Description | Temperature | Time |
|------|----------------|--|---------------|
| 1 | Preheat / Soak | $T_{SMIN} \sim T_{SMAX}$ 60°C ~ 120°C | 50 ~ 150 sec. |
| 2 | Reflow | T_L 160°C | 70 sec. |
| 3 | Peak heat | T_P 235°C | 10 sec. MAX |

TAPE & REEL:

Packing

T: 2,000pcs / reel



| A0 | B0 | K0 | D0 | D1 | F | P1 | W | t | L | I | J | N |
|-----------|-----------|-----------|-----------|------------|------------|---------|----------|------------|-----|-----|----|-----|
| 6.0 ± 0.1 | 5.1 ± 0.1 | 3.2 ± 0.1 | 1.5 ± 0.1 | 1.5 ± 0.05 | 5.5 ± 0.05 | 8 ± 0.1 | 12 ± 0.2 | 0.3 ± 0.05 | 330 | 2.3 | 12 | 100 |

Dimension: mm

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