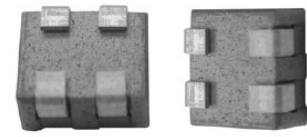


# Surface Mount Ferrite Chip Beads Array



5.60 x 4.80 x 3.00mm

ACSB-05-T



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

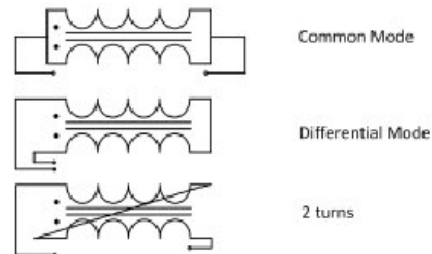
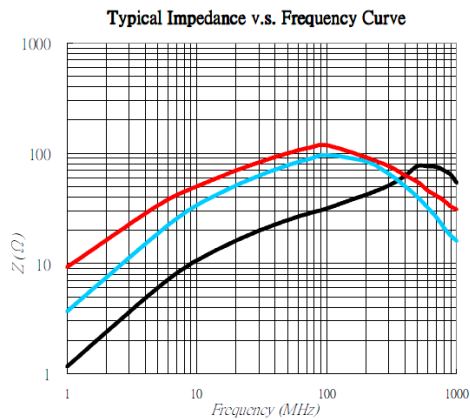
| Impedance | Test Frequency | RDC            | IDC   |
|-----------|----------------|----------------|-------|
| $\Omega$  | MHz            | m $\Omega$ Max | A Max |
| 23 Ref    | 25             | 3              | 5     |
| 35 Ref    | 100            |                |       |

### Test Conditions

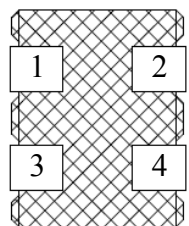
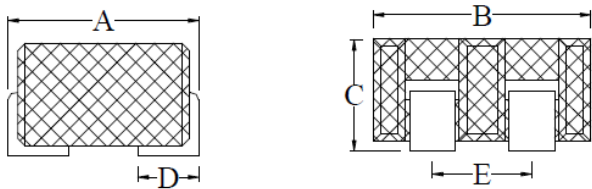
Instrument: Agilent 4294A Precision Impedance Analyzer.

IDC: Based on temperature rise ( $\Delta T$  : 40°C TYP. )

## ELECTRICAL CHARACTERISTIC CURVE

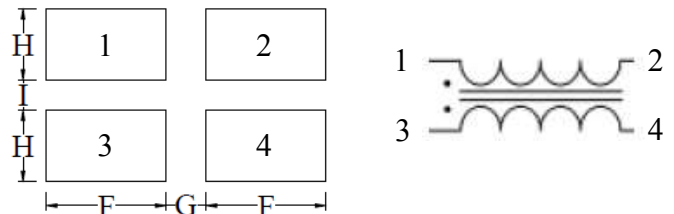


## OUTLINE DIMENSIONS:



| 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



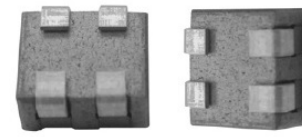
| F         | G         | H         | I         |
|-----------|-----------|-----------|-----------|
| 3.00 ref. | 1.00 ref. | 1.80 ref. | 0.74 ref. |

Dimension: mm

# Surface Mount Ferrite Chip Beads Array

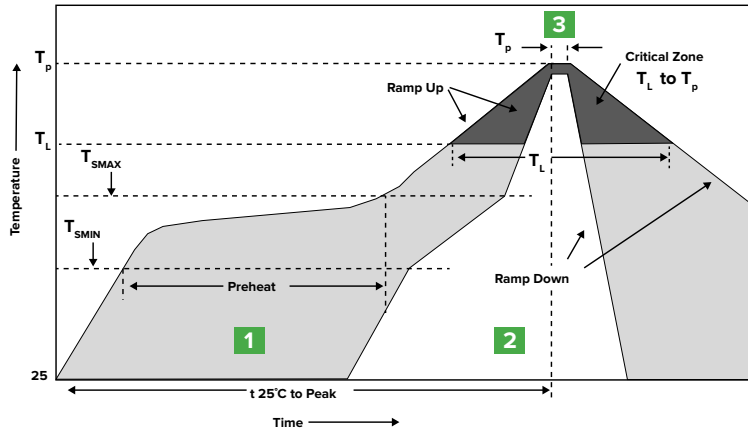
ACSB-05-T

 RoHS/RoHS II Compliant



5.60 x 4.80 x 3.00mm

## REFLOW PROFILE:

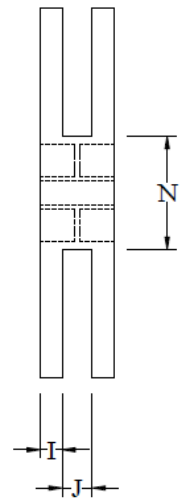
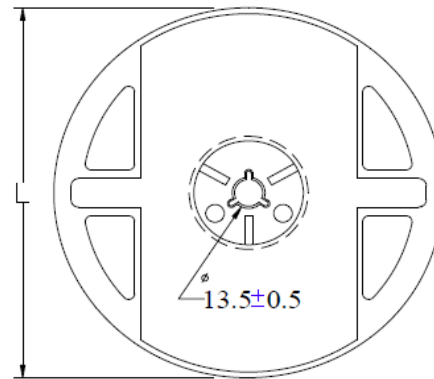
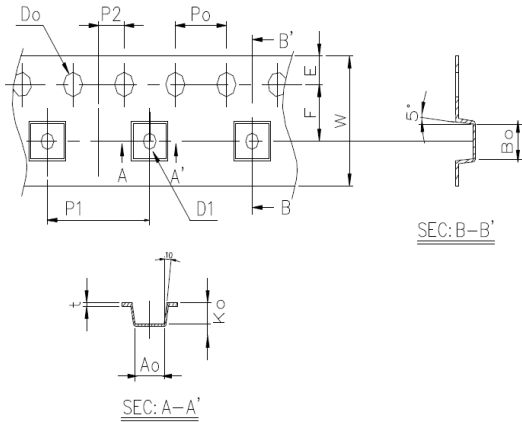


| Zone | Description    | Temperature                              | Time          |
|------|----------------|--|---------------|
| 1    | Preheat / Soak | $T_{SMIN} \sim T_{SMAX}$<br>60°C ~ 120°C | 50 ~ 150 sec. |
| 2    | Reflow         | $T_L$<br>160°C                           | 70 sec.       |
|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