



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surface Mount Ferrite Chip Beads

ACSB-03-T



RoHS/RoHS II Compliant



4.00 x 3.10 x 2.60mm

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-03-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 | Temperature Rise Current |
|-----------|----------------|--------------------------|
| Z (Ω) | MHz | IDC Max (A) |
| 27 Min | 25 | 5 |
| 47 ± 20% | 100 | |

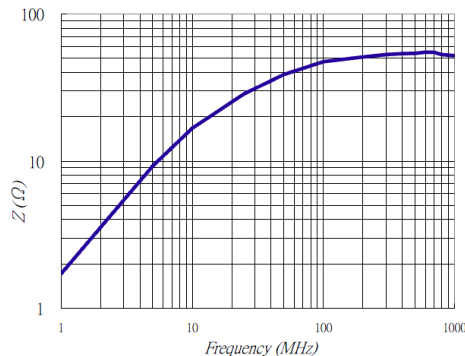
Test Conditions

Instrument: Agilent 4294A Precision Impedance Analyzer.

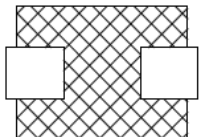
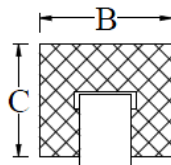
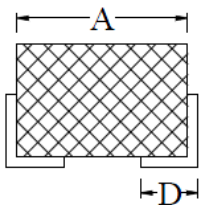
IDC: Based on temperature rise (ΔT : 40°C TYP.)

ELECTRICAL CHARACTERISTIC CURVE

Typical Impedance v.s. Frequency Curve

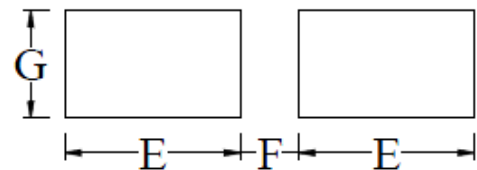


OUTLINE DIMENSIONS:



| A | B | C | D |
|-----------|-----------|-----------|-----------|
| 4.00±0.15 | 3.10±0.10 | 2.60±0.10 | 1.35±0.15 |

Recommended Land Pattern



| E | F | G |
|-----------|----------|----------|
| 3.00 ref. | 1.0 ref. | 1.8 ref. |

Dimension: mm

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Revised: 09.20.13

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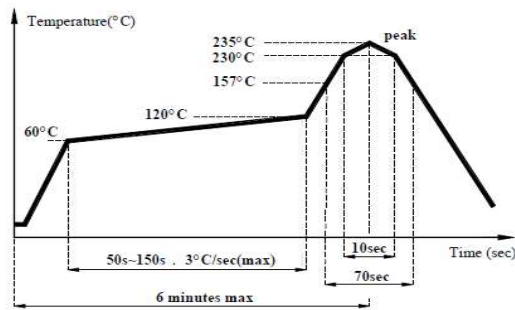


RoHS/RoHS II Compliant



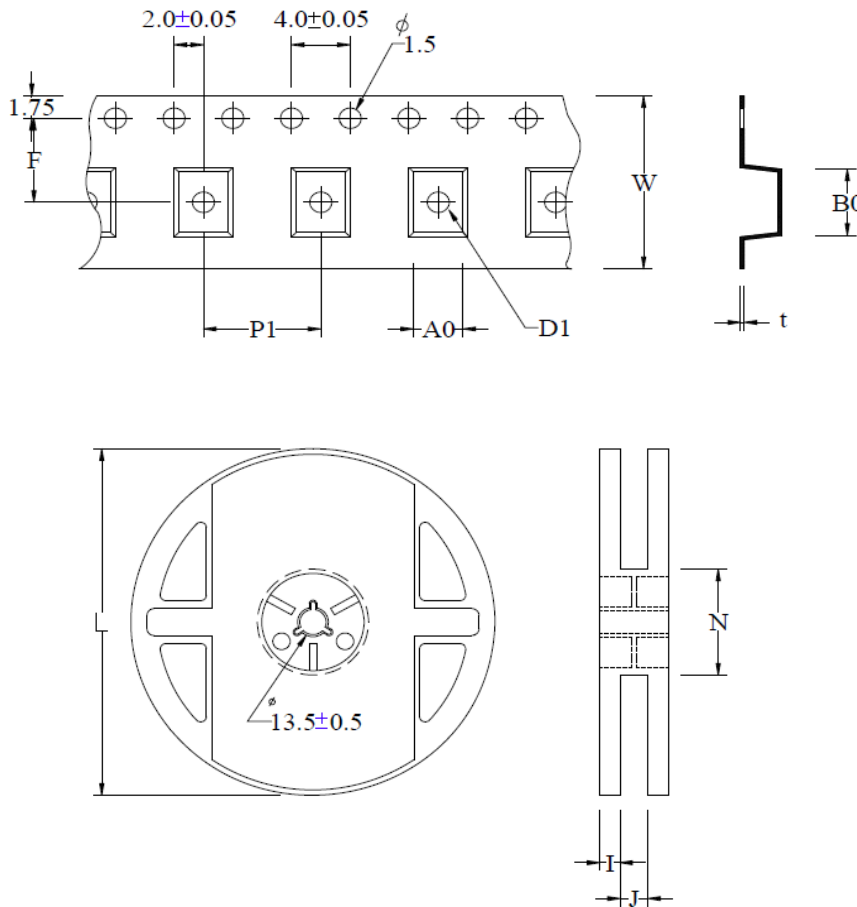
4.00 x 3.10 x 2.60mm

REFLOW PROFILE:



TAPE & REEL:

Packing
T: 500pcs / reel



| A0 | B0 | D1 | F | P1 | W | t | L | I | J | N |
|------------|------------|-----|-----|----|----|------|-----|-----|----|----|
| 3.45 ± 0.1 | 4.90 ± 0.1 | 1.5 | 5.5 | 8 | 12 | 0.27 | 178 | 1.4 | 12 | 60 |

Dimension: mm

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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