

ECN/PCN No.: M1627

### For Manufacturer

<b>Product Description:</b> Wide Band Choke	<b>Abracon Part Number / Part Series:</b> AWBC-03, AWBC-05, AWBC-09	<input type="checkbox"/> Documentation only <input type="checkbox"/> ECN <input checked="" type="checkbox"/> EOL	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number(s)
<b>Affected Revision:</b> Multiple	<b>New Revision:</b> EOL	<b>Application:</b>	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

**Prior to Change:**  
<https://abracon.com/Magnetics/chokes/AWBC-03.pdf>  
<https://abracon.com/Magnetics/chokes/AWBC-05.pdf>  
<https://abracon.com/Magnetics/chokes/AWBC-09.pdf>

**After Change:**

The following series have been discontinued and will be removed from the Abracon website:  
AWBC-03, AWBC-05, AWBC-09

**Cause/Reason for Change:**  
Low or no sales performance

### Change Plan

<b>Effective Date:</b> 9/30/2025	<b>Additional Remarks:</b>		
<b>Change Declaration:</b> These series have been discontinued.			
<b>Issued Date:</b>	<b>Issued By:</b> <i>Gerald Capwell</i>	<b>Issued Department:</b> Engineering	
<b>Approval:</b> <i>Syed Raza</i> Engineering VP	<b>Approval:</b> <i>Reuben Quintanilla</i> Quality Director	<b>Approval:</b> <i>Ying Huang</i> Purchasing Director	

### For Abracon EOL only

<b>Last Time Buy (if applicable):</b> 12/31/2025	<b>Alternate Part Number / Part Series:</b>		
<b>Additional Approval:</b>	<b>Additional Approval:</b>	<b>Additional Approval:</b>	

### Customer Approval (If Applicable)

<b>Qualification Status:</b> <input type="checkbox"/> Approved <input type="checkbox"/> Not accepted <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
<b>Customer Part Number:</b>	<b>Customer Project:</b>	
<b>Company Name:</b>	<b>Company Representative:</b>	<b>Representative Signature:</b>
<b>Customer Remarks:</b>		

# WIDE BAND CHOKE

AWBC-03



RoHS/RoHS II Compliant



## FEATURES:

- EMI suppression component with compact size, high impedance and medium current
- Widely used in PC products to filter EMI from the outside
- CE, FCC Compliant

## APPLICATIONS:

- Computer products, motherboard, TV card
- Power supply cables, OA products, modem
- Communication equipments

## ELECTRICAL SPECIFICATIONS:

Impedance:

320  $\Omega$  @10MHz

780  $\Omega$  @50MHz

580  $\Omega$  @100MHz

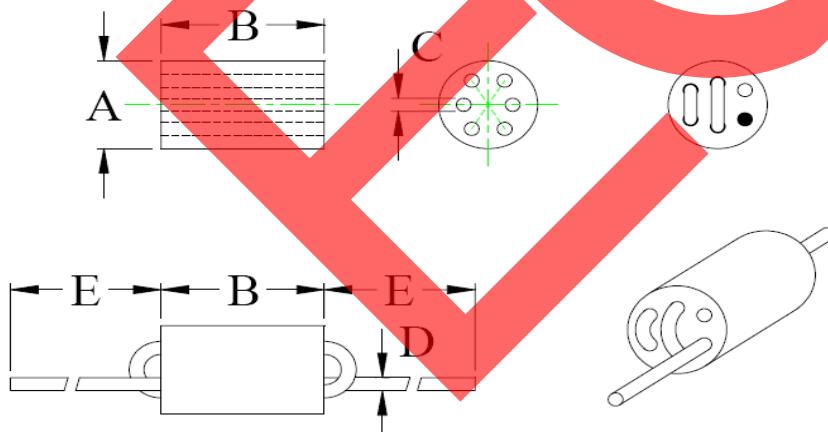
Test instrument: Agilent 4294A Precision Impedance Analyzer

Turns: **2.5 turns**

MEAS. ITEM	Z1 ( $\Omega$ )	Z2 ( $\Omega$ )	Z3 ( $\Omega$ )
TEST	10 MHz	50 MHz	100 MHz
FREQ.			
SPEC	320	680	580
TOL+			
TOL-	Min	Min	Min
1	443.26	867.57	687.74
2	417.58	842.89	701.62
3	458.63	893.24	685.74
4	419.87	835.33	674.71
5	437.57	844.13	695.03
6	412.24	841.5	683.96
7	423.08	853.81	686.45
8	434.38	862.76	694.53
9	443.31	864.76	690.21
10	431.25	857.07	685.74
X	432.12	856.31	688.57

## OUTLINE DIMENSIONS:

Packing: 1500pcs/box



	A	B	C	D	E
Dimension	6	10	0.9	0.5	25
Tolerance	$\pm 0.25$	$\pm 0.3$	$\pm 0.15$	$\pm 0.05$	$\pm 2$

Dimensions: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.

ABRACON IS  
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Revised: 06.03.13

# WIDE BAND CHOKE

AWBC-05



RoHS/RoHS II Compliant



Φ6.00 x 10.00mm

## FEATURES:

- EMI suppression component with compact size, high impedance and medium current
- Widely used in PC products to filter EMI from the outside
- CE, FCC Compliant

## APPLICATIONS:

- Computer products, motherboard, TV card
- Power supply cables, OA products, modem
- Communication equipments

## KEY ELECTRICAL SPECIFICATIONS

### Operating Temperature

-40°C to +85°C

### Storage Temperature

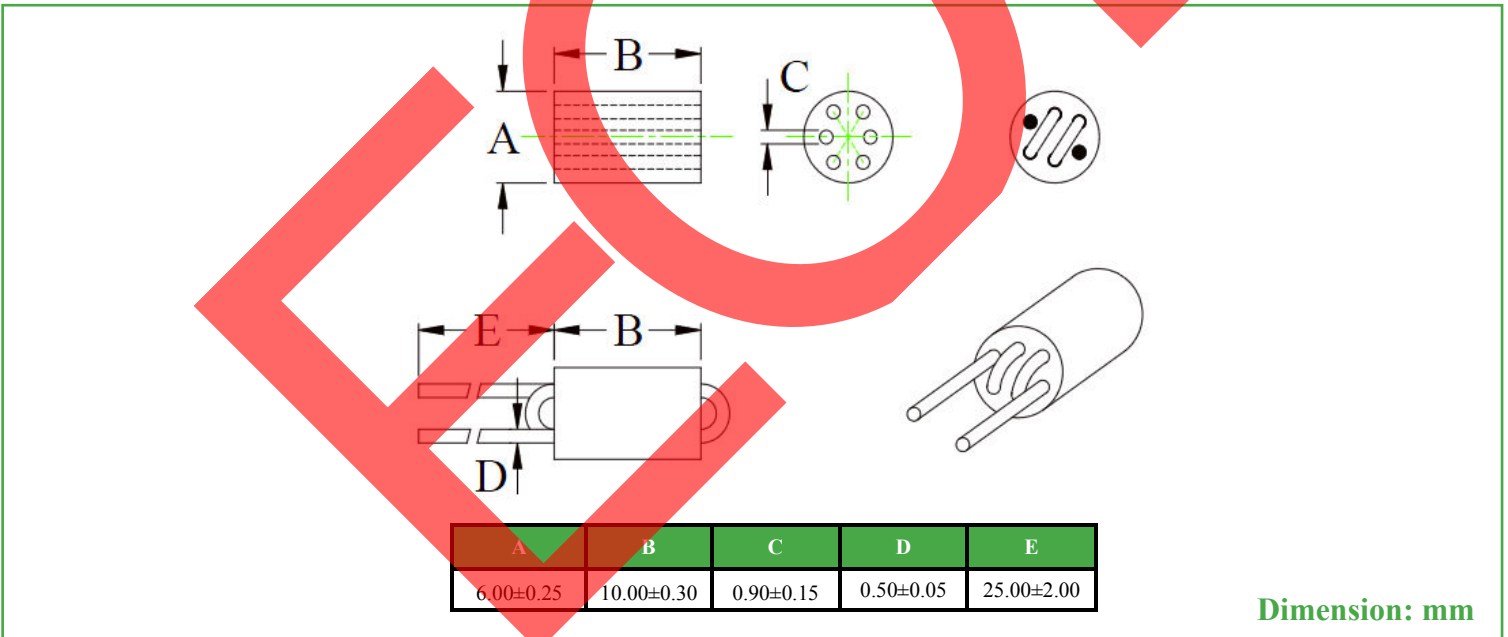
-40°C to +85°C

Impedance	Test Frequency
Ω min	MHz
355	10
790	50
550	100

### Test Conditions

Instrument: Agilent 4294A Precision Impedance Analyzer

## OUTLINE DIMENSIONS:



**Packing: 1500pcs/box**

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# WIDE BAND CHOKE

AWBC-09



RoHS/RoHS II Compliant



Φ6.00 x 10.00mm

## FEATURES:

- EMI suppression component with compact size, high impedance and medium current
- Widely used in PC products to filter EMI from the outside
- CE, FCC Compliant

## APPLICATIONS:

- Computer products, motherboard, TV card
- Power supply cables, OA products, modem
- Communication equipments

## Key Electrical Specifications

### Operating Temperature

-40°C to +85°C

### Storage Temperature

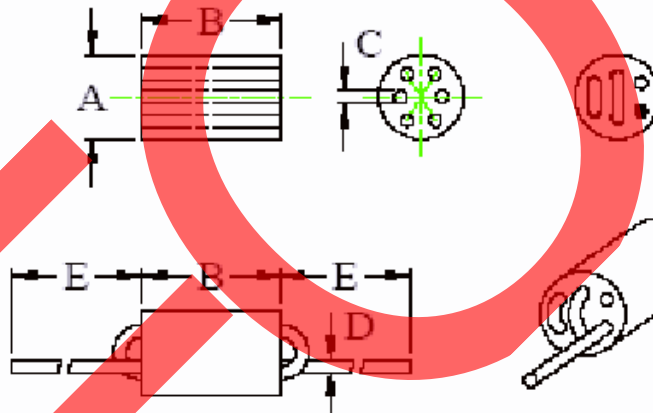
-40°C to +85°C

Impedance	Test Frequency
$\Omega \pm 25\%$	MHz
598	25
800	100

### Test Conditions

Instrument: Agilent 4294A Precision Impedance Analyzer

## OUTLINE DIMENSIONS:



A	B	C	D	E
6.0±0.5	10.0±0.5	0.90±0.15	0.50±0.05	40.0±3.0

Dimension: mm

Packing: 1500pcs/box

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Revised: 02.24.14

One affected P/N

TTI P/N: ABR AWBC-09