

ECN/PCN No.: M1627

## For Manufacturer

<b>Product Description:</b> Wide Band Choke	<b>Abrakon 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> Gerald Capwell	<b>Issued Department:</b> Engineering
<b>Approval:</b> Syed Raza Engineering VP	<b>Approval:</b> Reuben Quintanilla Quality Director	<b>Approval:</b> Ying Huang 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)

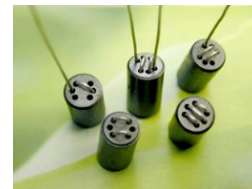
<b>Qualification Status:</b>		
<input type="checkbox"/> Approved <input type="checkbox"/> Not accepted <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
<b>Customer Part Number:</b>		<b>Customer Project:</b>
<b>Company Name:</b>	<b>Company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

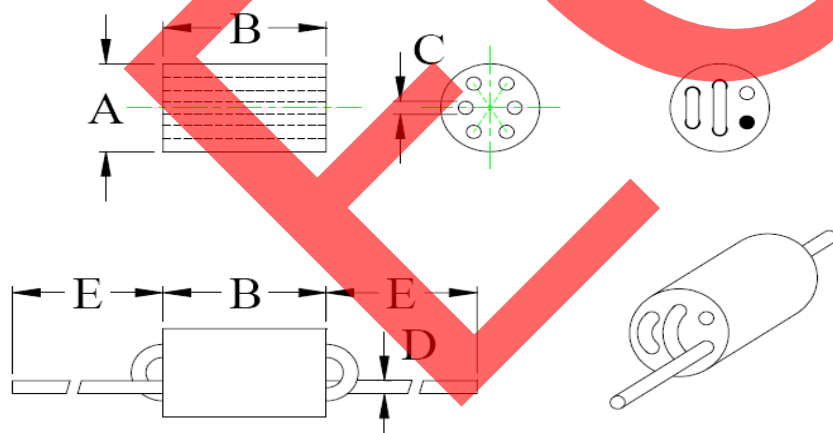
Test instrument: Agilent 4294A Precision  
Impedance Analyzer

Turns: **2.5 turns**

MEAS.	Z1	Z2	Z3
ITEM	( $\Omega$ )	( $\Omega$ )	( $\Omega$ )
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

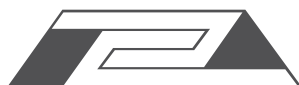


	A	B	C	D	E
Dimension	6	10	0.9	0.5	25
Tolerance	$\pm 0.25$	$\pm 0.3$	$\pm 0.15$	$\pm 0.05$	$\pm 2$

Dimensions:mm

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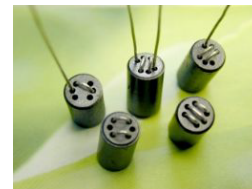
Revised: 06.03.13

# 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

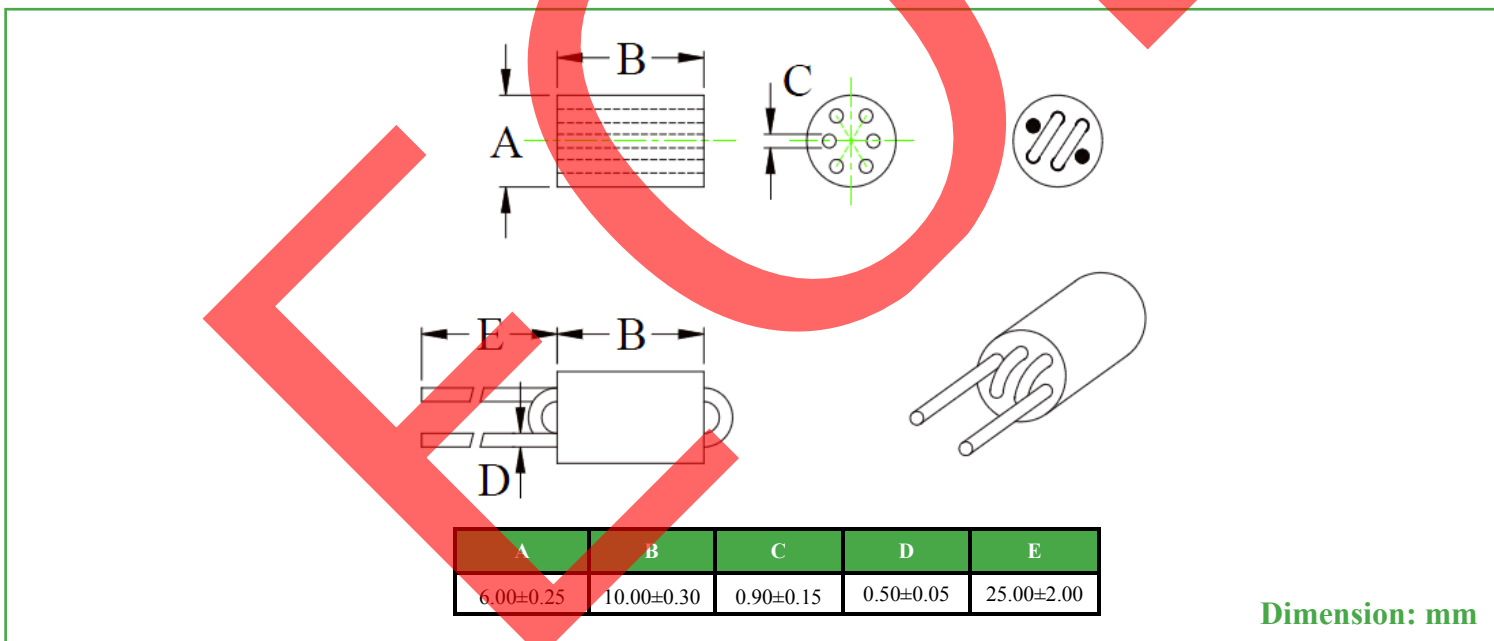
-40°C to +85°C

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

### Test Conditions

Instrument: Agilent 4294A Precision Impedance Analyzer

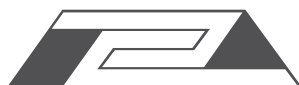
## OUTLINE DIMENSIONS:



Packing: 1500pcs/box

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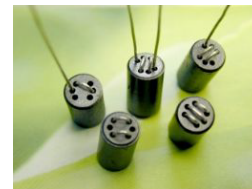
Revised: 03.07.14

# 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

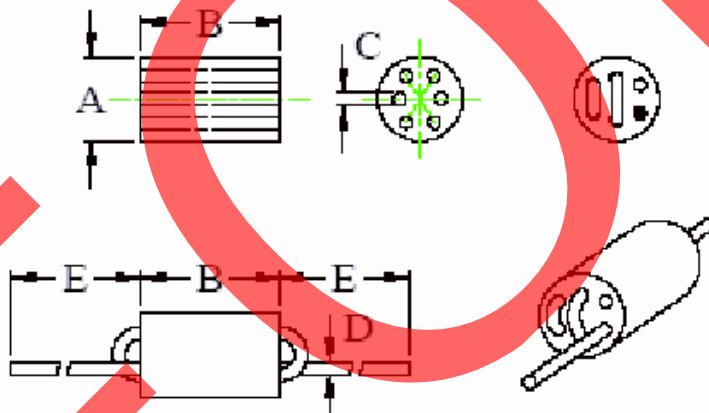
-40°C to +85°C

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

### Test Conditions

Instrument: Agilent 4294A Precision Impedance Analyzer

## OUTLINE DIMENSIONS:



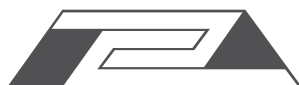
A	B	C	D	E
6.0±0.5	10.0±0.5	0.90±0.15	0.50±0.05	40.0±3.0

Dimension: mm

Packing: 1500pcs/box

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Revised: 02.24.14