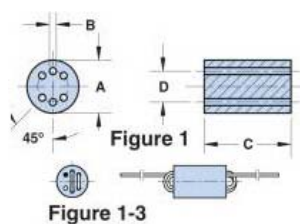


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Part Number: 2961666671

Frequency Range: Higher Frequencies 50-500 MHz (61 material)

Description: WB6/10/24-61-5 61 WOUND BEAD

Application: Suppression Components

Where Used: Board Component

Part Type: Wound Beads

Preferred Part: ✓

Part Type Information**Mechanical Specifications**

Weight: 1.40 (g)

[View Chart Legend](#)

Dim	mm	mm tol	nominal inch	inch misc.
A	6.00	±0.25	0.236	—
B	0.75	+0.15	0.032	—
C	10.00	±0.25	0.394	—
D	3.50	Ref	0.138	Ref
E	—	—	—	—
F	—	—	—	—
G	—	—	—	—
H	—	—	—	—
J	—	—	—	—
K	—	—	—	—

Land Patterns				
V	W (ref)	X	Y	Z
—	—	—	—	—

Winding Information			
Turns Tested	Wire Size	1st Wire Length	2nd Wire Length
2½	0.53 24 AWG	38.0 ±3.0 1.500	—

Reel Information				
Tape Width mm	Pitch mm	Parts 7" Reel	Parts 13" Reel	Parts 14" Reel
—	—	—	—	—

Pkg Size	
—	
Connector Plate	
# Holes	# Rows
—	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
—	—	—	—

Electrical Specifications

Typical Impedance (Ω)	
10 MHz	150
50 MHz*	560
100 MHz*	780
200 MHz*	960
400 MHz	600

Electrical Properties	
—	—

Ferrite Material Constants

Specific Heat	0.25 cal/g°C
Thermal Conductivity	10x10 ⁻³ cal/sec/cm°C
Coefficient of Linear Expansion	8 - 10x10 ⁻⁶ /°C
Tensile Strength	4.9 kgf/mm ²
Compressive Strength	42 kgf/mm ²
Young's Modulus	15x10 ³ kgf/mm ²
Hardness (Knoop)	650
Specific Gravity	≈ 4.7 g/cm ³
The above quoted properties are typical for Fair-Rite MnZn and NiZn ferrites.	

61 Material Specifications:

Property	Unit	Symbol	Value
Initial Permeability @ B < 10 gauss		μ _i	125
Flux Density @ Field Strength	gauss oersted	B H	2350 15
Residual Flux Density	gauss	B _r	1200
Coercive Force	oersted	H _c	1.8

Loss Factor @ Frequency	10 ⁻⁶ MHz	$\tan\delta/\mu_1$	30 1.0
Temperature Coefficient of Initial Permeability (20 -70°C)	%/°C		0.10
Curie Temperature	°C	T _c	>300
Resistivity	Ω cm	ρ	1x10 ⁸

Impedance Curve

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