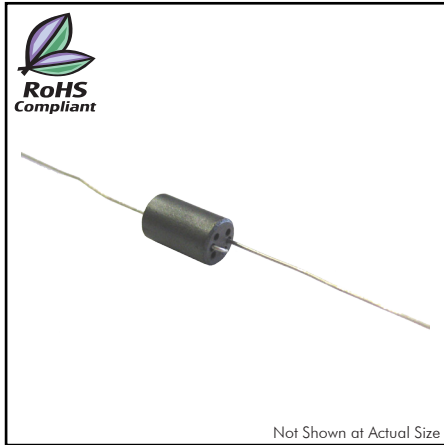


## CTWBF Series

From 1.5T's to 2x1.5T's



### CHARACTERISTICS

**Description:** Wide-band wire-wound beads

**Applications:** Used for EMI and RA filtering applications. Also used in RF circuits to subdue "parasitic oscillation" at VHF and UHF

**Testing:** Impedance is tested on an HP4287A at 100 MHz

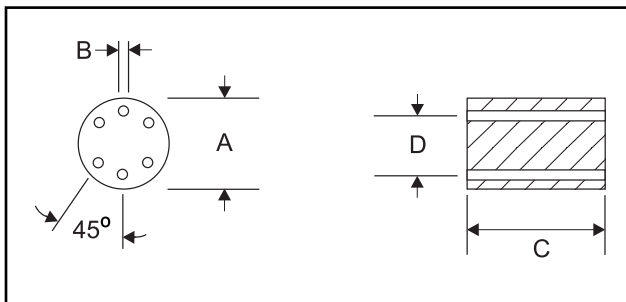
**Miscellaneous:** RoHS Compliant

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information**

### WIDE BAND CHOKE CORE

Size	A	B	C	D
mm	6.0±0.25	0.75±0.15	10±0.25	Ref.
inches	0.236±0.01	0.032	0.394±0.01	0.138



### SPECIFICATIONS

The "-S" suffix denotes the "secondary bead" material available.

Part Number	Impedance (Ω) @ 100 MHz Min.	Lead Wire Size AWG	Wire Length (inches)	Number of Turns	Refer to Figure #
CTWBF-1.5	375	24	1.5	1.5	1
CTWBF-1.5-S	400	24	1.5	1.5	1
CTWBF-2X1.5	375	24	1.5	2X1.5	5
CTWBF-2X1.5-S	400	24	1.5	2X1.5	5
CTWBF-2.0	480	24	1.5	2	2
CTWBF-2.0-S	600	24	1.5	2	2
CTWBF-2.5	580	24	1.5	2.5	3
CTWBF-2.5-S	675	24	1.5	2.5	3
CTWBF-3.0	550	24	1.5	3	4
CTWBF-3.0-S	1140	24	1.5	3	4

### MINIMUM IMPEDANCE (Ω)

Figure #	10 MHz	Bead Material		"Secondary Bead" Material		
		50MHz	100MHz	50MHz	100MHz	200MHz
1	170	320	375	250	400	325
2	240	520	480	425	600	300
3	320	680	580	550	675	275
4	400	800	550	1000	1140	800
5	170	320	375	250	400	325

### WINDING PATTERNS

**Fig.1**  
CTWBF-1.5  
CTWBF-1.5-S

**Fig.2**  
CTWBF-2.0  
CTWBF-2.0-S

**Fig.3**  
CTWBF-2.5  
CTWBF-2.5-S

**Fig.4**  
CTWBF-3.0  
CTWBF-3.0-S

**Fig.5**  
CTWBF-2x1.5  
CTWBF-2x1.5-S