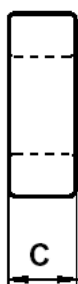
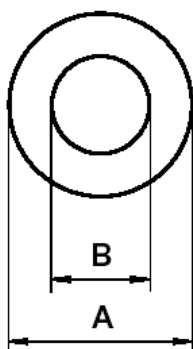




Specification for:  
**XW41005TC**

110 Delta Drive  
Pittsburgh, PA 15238  
Phone: 412/696-1333  
Fax: 412/696-0333  
Email: magnetics@spang.com

**DIMENSIONS**



| (mm)     | Uncoated<br>Nominal: | Coated<br>Min: | Coated<br>Max: |
|----------|----------------------|----------------|----------------|
| O.D. (A) | 9.53                 | 9.07           | 9.99           |
| I.D. (B) | 4.75                 | 4.29           | 5.21           |
| Ht. (C)  | 4.78                 | 4.45           | 5.11           |

| Eff. Parameters    |                  |                    |
|--------------------|------------------|--------------------|
| $A_e \text{ mm}^2$ | $l_e \text{ mm}$ | $V_e \text{ mm}^3$ |
| 10.9               | 20.7             | 227                |

**INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                              |
|-------------------------------|----------------------------------------------|
| 6616 ± 30%                    | 10 kHz, 0.5 mT (For N = 5, use 0.1 mA), 25°C |

**ELECTRICAL LOSSES**

| $\tan \delta / \mu_i$    | Production lot limit<br>Average | Test conditions |              |
|--------------------------|---------------------------------|-----------------|--------------|
| $\leq 3.5 \cdot 10^{-6}$ | $\leq 3 \cdot 10^{-6}$          | 10 kHz          | 0.5 mT, 25°C |
| $\leq 55 \cdot 10^{-6}$  | $\leq 45 \cdot 10^{-6}$         | 100 kHz         |              |

**COATING**

|               |
|---------------|
| Black Lacquer |
|---------------|

**NOTE**

| Spec. Modifications | Previous               | Revised                 |
|---------------------|------------------------|-------------------------|
| 2007.05.28          | LF: General W material | LF: Detail as indicated |