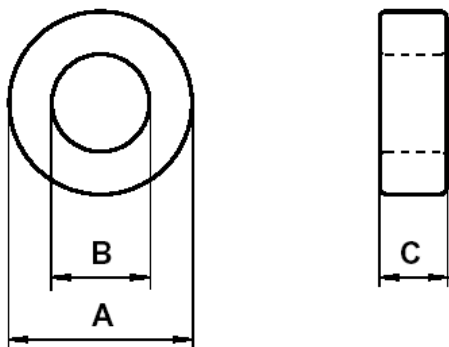




Specification for:  
**XW40705TC**

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

**DIMENSIONS**



| (mm)     | Uncoated<br>Nominal: | Coated<br>Min: | Coated<br>Max: |
|----------|----------------------|----------------|----------------|
| O.D. (A) | 7.62                 | 7.16           | 8.08           |
| I.D. (B) | 3.18                 | 2.71           | 3.65           |
| Ht. (C)  | 4.78                 | 4.45           | 5.11           |

| Eff. Parameters       |          |                       |
|-----------------------|----------|-----------------------|
| $A_e$ mm <sup>2</sup> | $l_e$ mm | $V_e$ mm <sup>3</sup> |
| 9.96                  | 14.9     | 149                   |

**INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                               |
|-------------------------------|-----------------------------------------------|
| 8350 ± 30%                    | 10 kHz, 0.5 mT (For N = 5, use 0.07 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 |
|---------------------|----------|---------|
|                     |          |         |