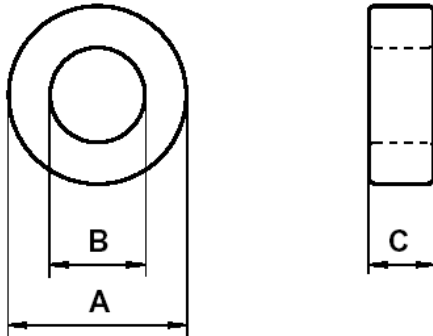




Specification for:  
**YW40603TC**

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

**DIMENSIONS**



| (mm)     | Uncoated Nominal: | Coated Min: | Coated Max: |
|----------|-------------------|-------------|-------------|
| O.D. (A) | 5.84              | 5.48        | 6.2         |
| I.D. (B) | 3.05              | 2.69        | 3.41        |
| Ht. (C)  | 3.18              | 2.85        | 3.51        |

| Eff. Parameters                |                   |                                |
|--------------------------------|-------------------|--------------------------------|
| A <sub>e</sub> mm <sup>2</sup> | l <sub>e</sub> mm | V <sub>e</sub> mm <sup>3</sup> |
| 4.3                            | 13                | 56                             |

**INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                               |
|-------------------------------|---|
| 4080 ± 30%                    | 10 kHz, 0.5 mT (For N = 5, use 0.06 mA), 25°C |

**ELECTRICAL LOSSES**

| tan δ / μ <sub>i</sub>   | Production lot limit Average | Test conditions |              |
|--------------------------|------------------------------|-----------------|--------------|
| ≤ 3.5 · 10 <sup>-6</sup> | ≤ 3 · 10 <sup>-6</sup>       | 10 kHz          | 0.5 mT, 25°C |
| ≤ 55 · 10 <sup>-6</sup>  | ≤ 45 · 10 <sup>-6</sup>      | 100 kHz         |              |

**COATING**

|  |
|--|
| Parylene rated for 130°C continuous operation.                   |
| Voltage breakdown rating 1,000 V <sub>DC</sub> Min Wire-to-Wire. |

**NOTE**

| Spec. Modifications | Previous               | Revised                 |
|---------------------|------------------------|-------------------------|
| 2005.12.16          | LF: General W Material | LF: Detail as indicated |