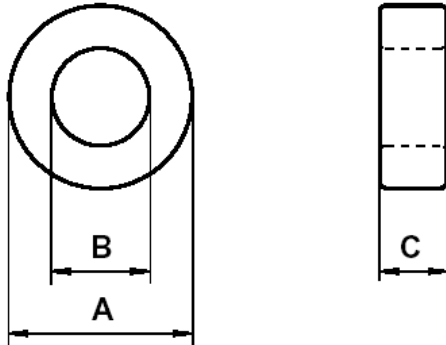




Specification for:  
**YF-41005-TC**

111 Zeta 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) | 9.53              | 9.2         | 9.86        |
| I.D. (B) | 4.75              | 4.42        | 5.08        |
| Ht. (C)  | 4.78              | 4.58        | 4.98        |

| Eff. Parameters                |                   |                                |
|--------------------------------|-------------------|--------------------------------|
| A <sub>e</sub> mm <sup>2</sup> | l <sub>e</sub> mm | V <sub>e</sub> mm <sup>3</sup> |
| 10.9                           | 20.7              | 227                            |

**INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                              |
|-------------------------------|--|
| 1980 ± 20%                    | 10 kHz, 0.5 mT (For N = 5, use 0.3 mA), 25°C |

**CORE LOSSES**

| P <sub>L</sub> max                 | Production lot limit Max avg         | Test conditions       |
|------------------------------------|--------------------------------------|-----------------------|
| 50 mW<br>(220 mW/cm <sup>3</sup> ) | 45.4 mW<br>(200 mW/cm <sup>3</sup> ) | 25 kHz, 200 mT, 100°C |
| -                                  | -                                    | -                     |

**COATING**

|   |
|---|
| Parylene rated for 130°C continuous operation.    |
| Voltage breakdown rating 1000 V Min Wire-to-Wire. |

**NOTE**

| Spec. Modifications | Previous                   | Revised                     |
|---------------------|----------------------------|-----------------------------|
| 2005.06.07          | Losses: General F material | Losses: Detail as indicated |