



Specification for:  
**YF40401TC**

110 Delta Drive  
Pittsburgh, PA 15238  
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**DIMENSIONS**



| (mm)     | Uncoated Nominal: | Coated Min: | Coated Max: |
|----------|-------------------|-------------|-------------|
| O.D. (A) | 4.83              | 4.55        | 5.11        |
| I.D. (B) | 2.29              | 2.00        | 2.58        |
| Ht. (C)  | 1.27              | 1.01        | 1.53        |

| Eff. Parameters                |                   |                                |
|--------------------------------|-------------------|--------------------------------|
| A <sub>e</sub> mm <sup>2</sup> | l <sub>e</sub> mm | V <sub>e</sub> mm <sup>3</sup> |
| 1.5                            | 10.2              | 15.7                           |

**INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                               |
|-------------------------------|---|
| 570 ± 20%                     | 10 kHz, 0.5 mT (For N = 5, use 0.03 mA), 25°C |

**CORE LOSSES**

| P <sub>L</sub> max                   | Production lot limit Max avg         | Test conditions       |
|--------------------------------------|--------------------------------------|-----------------------|
| 3.45 mW<br>(220 mW/cm <sup>3</sup> ) | 3.14 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                     |
|---------------------|----------------------------|-----------------------------|
| 2006.01.12          | Losses: General F material | Losses: Detail as indicated |