

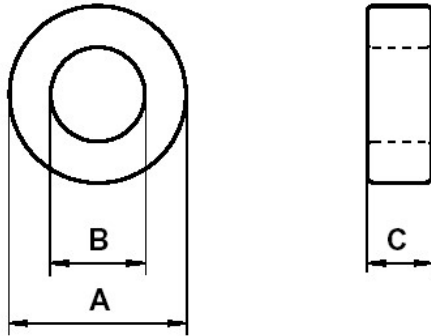


Specification for:

**ZT43825TC**

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Pittsburgh, PA 15238  
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### **DIMENSIONS**



| (mm)     | Uncoated Nominal: | Coated Min: | Coated Max: |
|----------|-------------------|-------------|-------------|
| O.D. (A) | 38.1              | 37.45       | 39.25       |
| I.D. (B) | 19.0              | 17.9        | 19.6        |
| Ht. (C)  | 25.2              | 25.11       | 26.29       |

| Eff. Parameters    |                  |                    |
|--------------------|------------------|--------------------|
| $A_e \text{ mm}^2$ | $l_e \text{ mm}$ | $V_e \text{ mm}^3$ |
| 231                | 82.8             | 19152              |

### **INDUCTANCE**

| AL value (nH/T <sup>2</sup> ) | Test conditions                             |
|-------------------------------|---------------------------------------------|
| 10500 ± 25%                   | 10 kHz, 0.5 mT (For N = 5, use 1.5mA), 25°C |

### **CORE LOSSES**

| $P_L \text{ max}$                    | Production lot limit<br>Max avg     | Test conditions        |
|--------------------------------------|-------------------------------------|------------------------|
| 10.54 W<br>(550 mW/cm <sup>3</sup> ) | 9.58 W<br>(500 mW/cm <sup>3</sup> ) | 100 kHz, 200 mT, 25°C  |
| 10.54 W<br>(550 mW/cm <sup>3</sup> ) | 9.58 W<br>(500 mW/cm <sup>3</sup> ) | 100 kHz, 200 mT, 100°C |

### **COATING**

|                                                                 |
|-----------------------------------------------------------------|
| Epoxy rated for 200°C continuous operation.                     |
| Voltage breakdown rating 2000 V <sub>DC</sub> Min Wire-to-Wire. |

### **NOTE**

| Spec. Modifications | Previous | Revised |
|---------------------|----------|---------|
|                     |          |         |