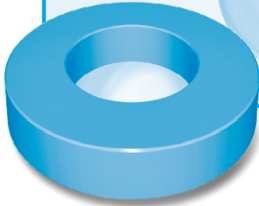


# OD 778

## OD 77.8mm / 3.063inch

**ID 49.23mm  
HT 15.9mm**



### Core Dimensions

|                          |        | OD(max) | ID(min) | HT(max) |
|--------------------------|--------|---------|---------|---------|
| Before coating           | (mm)   | 77.80   | 49.23   | 15.9    |
|                          | (inch) | 3.063   | 1.938   | 0.626   |
| After coating<br>(Epoxy) | (mm)   | 78.90   | 48.0    | 17.2    |
|                          | (inch) | 3.108   | 1.888   | 0.677   |

### Magnetic Dimensions

| Cross Section<br>(A) | Path Length<br>(l) | Window Area<br>(Wa)  | Volume<br>(V)         |
|----------------------|--------------------|----------------------|-----------------------|
| 2.270cm <sup>2</sup> | 20.0cm             | 17.99cm <sup>2</sup> | 43.531cm <sup>3</sup> |
| 0.352in <sup>2</sup> | 7.72in             | 3,550,000cmil        | 2.656in <sup>3</sup>  |

### Available Cores

| Part No. |           |          |           | AL<br>(nH/N <sup>2</sup> ) | Perm.<br>(μ) |
|----------|-----------|----------|-----------|----------------------------|--------------|
| MPP      | High Flux | Sendust  | Mega Flux |                            |              |
| CM778026 | CH778026  | CS778026 | CK778026  | 35                         | 26           |
| CM778060 | CH778060  | CS778060 | CK778060  | 85                         | 60           |
| -        | -         | CS778075 | CK778075  | 107                        | 75           |
| -        | -         | CS778090 | CK778090  | 128                        | 90           |
| CM778125 | CH778125  | CS778125 | -         | 178                        | 125          |
| -        | -         | -        | -         | -                          | 147          |
| -        | -         | -        | -         | -                          | 160          |
| -        | -         | -        | -         | -                          | 173          |
| -        | -         | -        | -         | -                          | 200          |

### Winding Information

| AWG Wire |          | Single Layer |       | AWG Wire |          | Single Layer |       |
|----------|----------|--------------|-------|----------|----------|--------------|-------|
| No.      | Dia.(cm) | Turns        | Rdc,Ω | No.      | Dia.(cm) | Turns        | Rdc,Ω |
| 10       | 0.267    |              |       | 19       | 0.0980   |              |       |
| 11       | 0.238    |              |       | 20       | 0.0879   |              |       |
| 12       | 0.213    |              |       | 21       | 0.0785   |              |       |
| 13       | 0.190    |              |       | 22       | 0.0701   |              |       |
| 14       | 0.171    | N · A        |       | 23       | 0.0632   | N · A        |       |
| 15       | 0.153    |              |       | 24       | 0.0566   |              |       |
| 16       | 0.137    |              |       | 25       | 0.0505   |              |       |
| 17       | 0.122    |              |       | 26       | 0.0452   |              |       |
| 18       | 0.109    |              |       | 27       | 0.0409   |              |       |

Single layer winding with 1 inch leads

**AL vs NI Curve(60μ, 125μ)**

