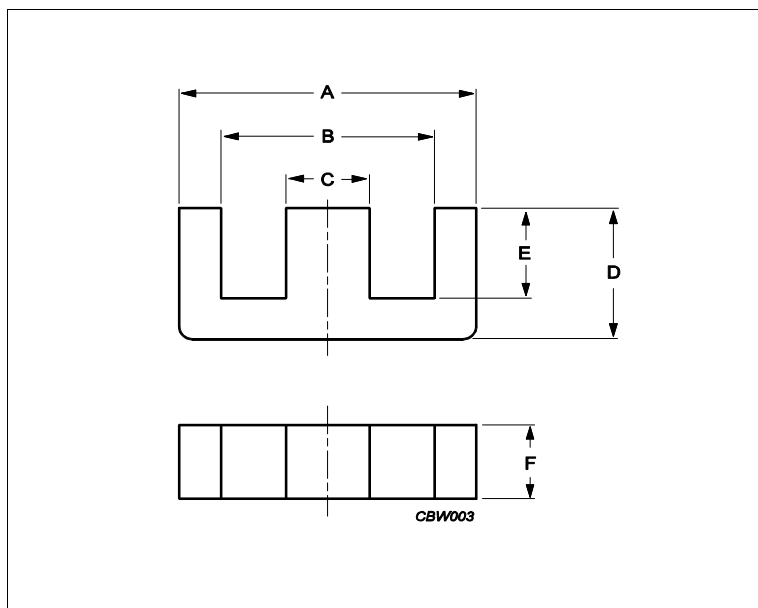


Core **E32/16/9**



| Effective parameters | | | |
|----------------------|------------------|-------|------------------|
| | Parameter | Value | Unit |
| $\Sigma(I/A)$ | core factor (C1) | 0.894 | mm ⁻¹ |
| Ve | effective volume | 6180 | mm ³ |
| Le | effective length | 74 | mm |
| Ae | effective area | 83 | mm ² |
| Amin | minimum area | 83 | mm ² |
| m | E32/16/9 | ≈ 16 | g/pcs |

Dimensions for product: E32/16/9

| | Nom | Tol + | Tol - | Max | Min | Unit |
|----------|-------|-------|-------|-------|-------|------|
| A | 32.00 | 0.90 | 0.70 | 32.90 | 31.30 | mm |
| B | 22.70 | 1.20 | 0.00 | 23.90 | 22.70 | mm |
| C | 9.50 | 0.00 | 0.60 | 9.50 | 8.90 | mm |
| D | 16.40 | 0.00 | 0.40 | 16.40 | 16.00 | mm |
| E | 11.20 | 0.60 | 0.00 | 11.80 | 11.20 | mm |
| F | 9.50 | 0.00 | 0.70 | 9.50 | 8.80 | mm |

Inductance factor

| Material | Value | Tol + | Tol - | Unit |
|----------|-------|-------|-------|-----------------------|
| 3C92 | 1850 | 25% | 25% | nH/turns ² |
| 3C94 | 2500 | 25% | 25% | nH/turns ² |
| 3C96 | 2300 | 25% | 25% | nH/turns ² |
| 3F36 | 1700 | 25% | 25% | nH/turns ² |

Power loss: 3C92

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 3.100 | W/set |

Power loss: 3C94

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 3.100 | W/set |

Power loss: 3C96

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 100 kHz | 200 mT | 100 °C | 2.800 | W/set |
| 400 kHz | 50 mT | 100 °C | 1.100 | W/set |

Core **E32/16/9**

Power loss: 3F36

| Measuring conditions | | | Max | Unit |
|----------------------|--------|--------|-------|-------|
| 500 kHz | 50 mT | 100 °C | 0.930 | W/set |
| 500 kHz | 100 mT | 100 °C | 7.100 | W/set |

Bsat

| Measuring conditions | | | Material | Min | Unit |
|----------------------|---------|--------|----------|-----|------|
| 25 kHz | 250 A/m | 100 °C | 3C92 | 370 | mT |
| 25 kHz | 250 A/m | 100 °C | 3C94 | 320 | mT |
| 25 kHz | 250 A/m | 100 °C | 3C96 | 340 | mT |
| 25 kHz | 250 A/m | 100 °C | 3F36 | 340 | mT |

Accessories

| Ordering name | Description | Ordering code |
|---------------------|---------------------------------------|---------------|
| CPH-E32/16/9-1S-12P | Coil former, termoplastic, horizontal | 431202126222 |