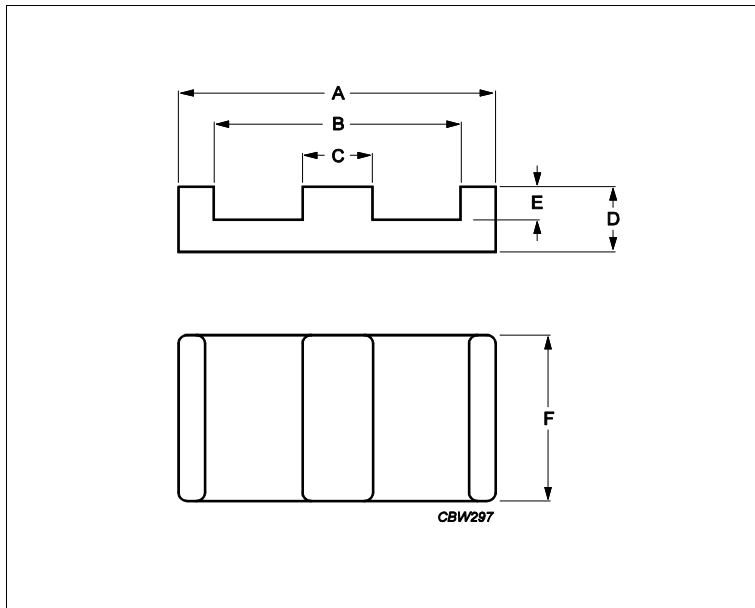


Core **E32/6/20**



| Effective parameters | | | | |
|----------------------|---------------|------------------|-------|------------------|
| | Parameter | Value | Unit | |
| | $\Sigma(I/A)$ | core factor (C1) | 0.323 | mm ⁻¹ |
| | Ve | effective volume | 5380 | mm ³ |
| | Le | effective length | 41.4 | mm |
| | Ae | effective area | 130 | mm ² |
| | Amin | minimum area | 130 | mm ² |
| | m | E32/6/20 | ≈ 13 | g/pcs |

| Dimensions for product: E32/6/20 | | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|------|
| | Nom | Tol + | Tol - | Max | Min | Unit |
| A | 31.75 | 0.64 | 0.64 | 32.39 | 31.11 | mm |
| B | | | | | 24.90 | mm |
| C | 6.35 | 0.13 | 0.13 | 6.48 | 6.22 | mm |
| D | 6.35 | 0.13 | 0.13 | 6.48 | 6.22 | mm |
| E | 3.18 | 0.20 | 0.20 | 3.38 | 2.98 | mm |
| F | 20.32 | 0.41 | 0.41 | 20.73 | 19.91 | mm |

| Inductance factor | | | | | |
|-------------------|-------|-------|-------|-----------------------|--|
| Material | Value | Tol + | Tol - | Unit | |
| 3C92 | 5000 | 25% | 25% | nH/turns ² | |
| 3C95 | 7690 | 25% | 25% | nH/turns ² | |
| 3C96 | 6425 | 25% | 25% | nH/turns ² | |
| 3C97 | 7690 | 25% | 25% | nH/turns ² | |
| 3F36 | 4200 | 25% | 25% | nH/turns ² | |
| 3F4 | 3200 | 25% | 25% | nH/turns ² | |

| Power loss: 3C92 | | | | | |
|----------------------|--------|--------|-------|-------|--|
| Measuring conditions | | | Max | Unit | |
| 100 kHz | 200 mT | 100 °C | 2.700 | W/set | |
| Power loss: 3C95 | | | | | |
| Measuring conditions | | | Max | Unit | |
| 100 kHz | 200 mT | 100 °C | 2.600 | W/set | |
| 100 kHz | 200 mT | 25 °C | 2.800 | W/set | |

Core **E32/6/20**

| Power loss: 3C96 | | | | |
|----------------------|--------|--------|-------|-------|
| Measuring conditions | | | Max | Unit |
| 100 kHz | 200 mT | 100 °C | 2.400 | W/set |
| 400 kHz | 50 mT | 100 °C | 0.970 | W/set |
| Power loss: 3C97 | | | | |
| Measuring conditions | | | Max | Unit |
| 100 kHz | 200 mT | 60 °C | 2.700 | W/set |
| 100 kHz | 200 mT | 120 °C | 2.600 | W/set |
| 100 kHz | 200 mT | 140 °C | 3.200 | W/set |
| Power loss: 3F36 | | | | |
| Measuring conditions | | | Max | Unit |
| 500 kHz | 50 mT | 100 °C | 0.810 | W/set |
| 500 kHz | 100 mT | 100 °C | 6.200 | W/set |
| Power loss: 3F4 | | | | |
| Measuring conditions | | | Max | Unit |
| 1000 kHz | 30 mT | 100 °C | 1.600 | W/set |
| 3000 kHz | 10 mT | 100 °C | 2.700 | 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 | 3C95 | 330 | mT |
| 25 kHz | 250 A/m | 100 °C | 3C96 | 340 | mT |
| 25 kHz | 250 A/m | 100 °C | 3C97 | 330 | mT |
| 25 kHz | 250 A/m | 100 °C | 3F36 | 340 | mT |
| 25 kHz | 250 A/m | 100 °C | 3F4 | 330 | mT |