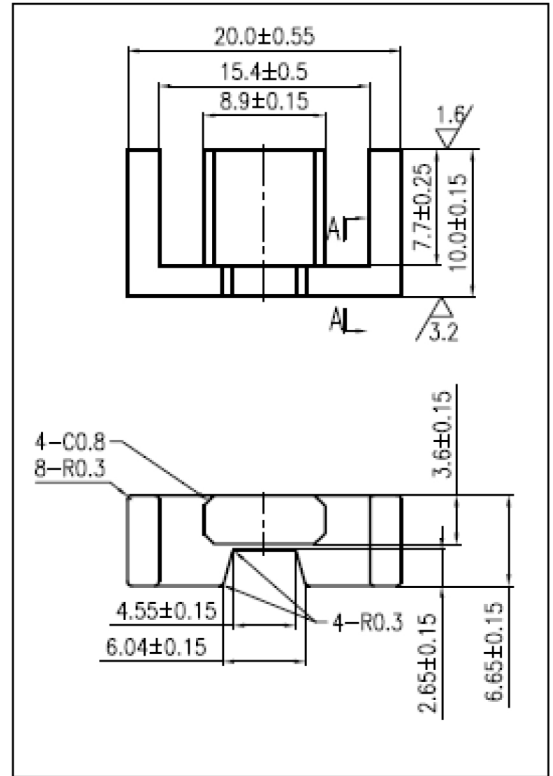


# CORE SETS

## Effective core parameters

| SYMBOL         | PARAMETER             | VALUE         | UNIT             |
|----------------|-----------------------|---------------|------------------|
| $\Sigma (1/A)$ | core factor ( $C_l$ ) | 1.52          | $\text{mm}^{-1}$ |
| $V_e$          | effective volume      | 1457.0        | $\text{mm}^3$    |
| $l_e$          | effective length      | 47.0          | mm               |
| $A_e$          | effective area        | 31.0          | $\text{mm}^2$    |
| $A_{\min}$     | minimum area          | 29.0          | $\text{mm}^2$    |
| $W_t$          | mass of core set      | $\approx 7.2$ | g                |



## Characteristic

| GRADE | AL (nH/N <sup>2</sup> ) | B (mT)                         | CORE LOSS (W)                  |  |
|-------|-------------------------|--------------------------------|--------------------------------|--|
|       | f=10kHz<br>U=0.25V      | H=250A/m<br>f=25kHz<br>T=100°C | f=100kHz<br>B=200mT<br>T=100°C |  |
| DMR24 | 1000±25%                | ≥300                           | ≤1.10                          |  |
| DMR40 | 1300±25%                | ≥290                           | ≤1.01                          |  |
| DMR44 | 1300±25%                | ≥290                           | ≤0.80                          |  |
| DMR95 | 1800±25%                | ≥300                           | ≤0.82                          |  |

| GRADE  | AL (nH/N <sup>2</sup> ) | B (mT)                         | CORE LOSS (W)                 |                             |
|--------|-------------------------|--------------------------------|-------------------------------|-----------------------------|
|        | f=10kHz<br>U=0.25V      | H=250A/m<br>f=25kHz<br>T=100°C | f=500kHz<br>B=50mT<br>T=100°C | f=3MHz<br>B=10mT<br>T=100°C |
| DMR50B | 1000±25%                | ≥275                           | ≤0.364                        | —                           |
| DMR55  | 1200±25%                | ≥275                           | ≤0.466                        | —                           |

| GRADE | AL (nH/N <sup>2</sup> ) | μ i                |
|-------|-------------------------|--------------------|
|       | f=10kHz<br>U=0.25V      | f=10kHz<br>U=0.25V |
| R12K  | ≥4700 mirror            | ≈12000             |