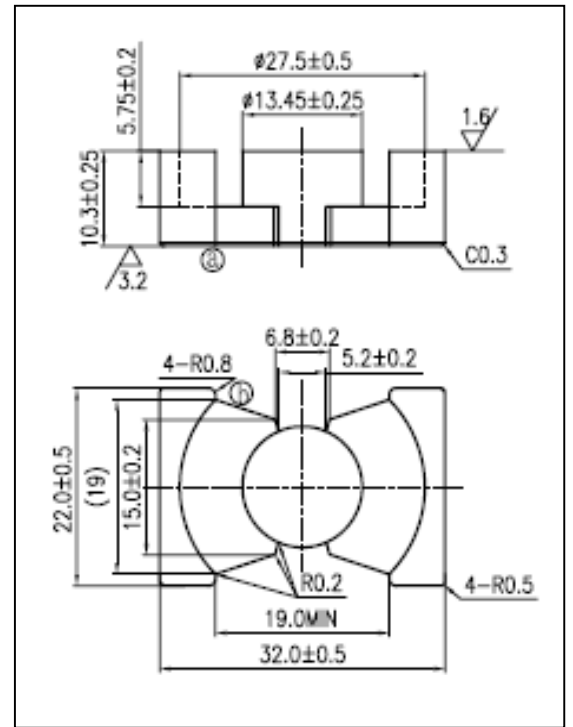


## CORE SETS

## Effective core parameters

| SYMBOL         | PARAMETER             | VALUE        | UNIT             |
|----------------|-----------------------|--------------|------------------|
| $\Sigma (1/A)$ | core factor ( $C_1$ ) | 0.31         | $\text{mm}^{-1}$ |
| $V_e$          | effective volume      | 7678.3       | $\text{mm}^3$    |
| $l_e$          | effective length      | 49.0         | mm               |
| $A_e$          | effective area        | 156.7        | $\text{mm}^2$    |
| $A_{\min}$     | minimum area          | 142.0        | $\text{mm}^2$    |
| $W_t$          | mass of core set      | $\approx 42$ | g                |



## Characteristic

| GRADE | AL ( $\text{nH}/\text{N}^2$ ) | 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 | 5500 ± 25%                    | $\geq 325$                     | $\leq 5.88$                    |  |
| DMR40 | 6700 ± 25%                    | $\geq 315$                     | $\leq 5.88$                    |  |
| DMR44 | 6700 ± 25%                    | $\geq 315$                     | $\leq 5.04$                    |  |
| DMR47 | 6800 ± 25%                    | $\geq 325$                     | $\leq 3.69$                    |  |
| DMR90 | 5700 ± 25%                    | $\geq 325$                     | $\leq 4.46$                    |  |
| DMR95 | 7500 ± 25%                    | $\geq 315$                     | $\leq 4.23$                    |  |

| GRADE | AL ( $\text{nH}/\text{N}^2$ ) | 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 |
| DMR55 | 5200 ± 25%                    | $\geq 300$                     | $\leq 2.46$                   | —                           |