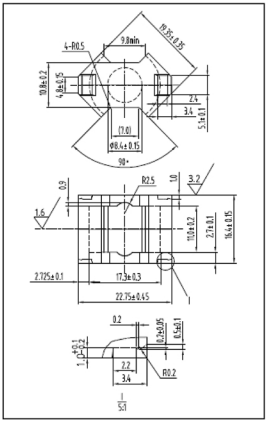
CORE SETS

Effective core parameters

| SYMBOL | PARAMETER | VALUE | UNIT |
|---|---|---|---|
| Σ(1/A) | core factor($C_1$) | 0.59 | $mm^{-1}$ |
| Ve | effective volume | 2432.00 | $mm^3$ |
| le | effective length | 38.00 | mm |
| Ae | effective area | 64.00 | $mm^2$ |
| Amin | minimum area | 55.40 | $mm^2$ |
| Wt | mass of core set | ≈12.4 | g |




Characteristice

| GRADE | AL(nH/$N^2$) | B(mT) | CORE LOSS(W) |
|---|---|---|---|
| | f=10kHz<br>U=0.25V | H=250A/m<br>f=25kHz<br>T=100℃ | f=100kHz<br>B=200mT<br>T=100℃ |
| DMR40 | 3000±25% | ≥315 | ≤1.74 |
| DMR44 | 3000±25% | ≥315 | ≤1.49 |
| DMR47 | 3200±25% | ≥325 | ≤1.24 |
| DMR90 | 2800±25% | ≥325 | ≤1.65 |
| DMR95 | 3800±25% | ≥315 | ≤1.34 |

| GRADE | AL(nH/$N^2$) | μi |
|---|---|---|
| | f=10kHz<br>U=0.25V | f=10kHz<br>U=0.25V |
| R4K | 5700±25% | ≈4300 |
| R5K | 6900±25% | ≈5000 |
| R7K | 9750±25% | ≈7000 |
| R10K | 12250±25% | ≈10000 |