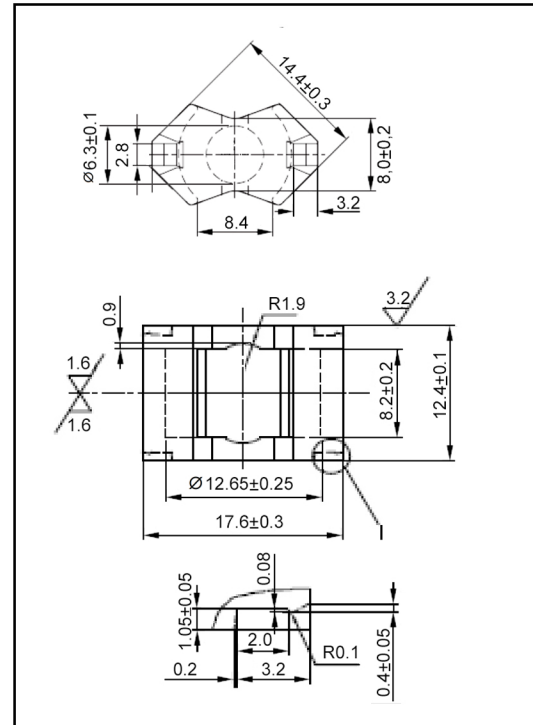


CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor ( $C_1$ )	0.78	$\text{mm}^{-1}$
$V_e$	effective volume	1046.76	$\text{mm}^3$
$l_e$	effective length	28.60	mm
$A_e$	effective area	36.60	$\text{mm}^2$
$A_{\min}$	minimum area	31.20	$\text{mm}^2$
$W_t$	mass of core set	$\approx 5.4$	g



Characteristic

GRADE	$AL$ ( $\text{nH}/\text{N}^2$ )	$B$ (mT)	CORE LOSS (W)
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A/m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=100\text{kHz}$ $B=200\text{mT}$ $T=100^\circ\text{C}$
DMR40	$2400 \pm 25\%$	$\geq 315$	$\leq 0.76$
DMR44	$2400 \pm 25\%$	$\geq 315$	$\leq 0.65$
DMR47	$2500 \pm 25\%$	$\geq 325$	$\leq 0.57$
DMR90	$2200 \pm 25\%$	$\geq 325$	$\leq 0.73$
DMR95	$2900 \pm 25\%$	$\geq 315$	$\leq 0.63$

GRADE	$AL$ ( $\text{nH}/\text{N}^2$ )	$B$ (mT)	CORE LOSS (W)
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A/m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=500\text{kHz}$ $B=50\text{mT}$ $T=100^\circ\text{C}$
DMR50B	$1600 \pm 25\%$	$\geq 300$	$\leq 0.28$
DMR55	$1900 \pm 25\%$	$\geq 300$	$\leq 0.34$

GRADE	$AL$ ( $\text{nH}/\text{N}^2$ )	$\mu_i$
	$f=10\text{kHz}$ $U=0.25\text{V}$	$f=10\text{kHz}$ $U=0.25\text{V}$
R4K	$4700 \pm 25\%$	$\approx 4300$
R5K	$5000 \pm 25\%$	$\approx 5000$
R7K	$6700 \pm 25\%$	$\approx 7000$
R10K	$\geq 6700$ mirror	$\approx 10000$
R12K	$\geq 7900$ mirror	$\approx 12000$