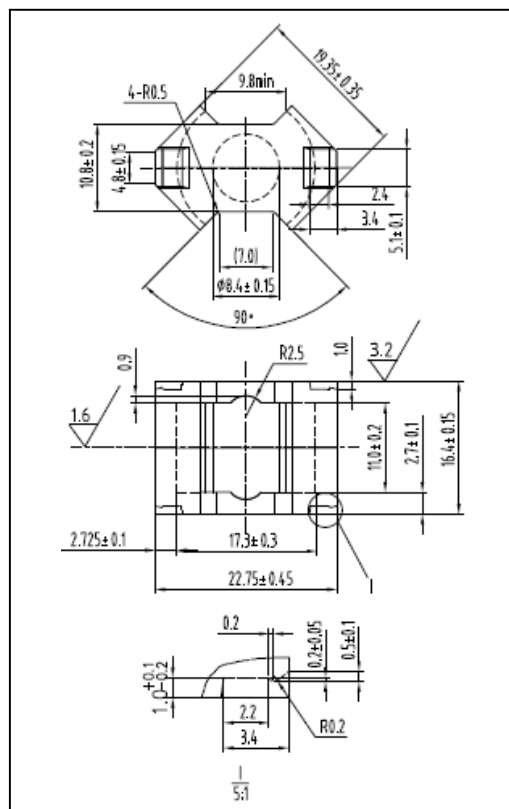


CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor (C_1)	0.59	mm^{-1}
V_e	effective volume	2432.00	mm^3
l_e	effective length	38.00	mm
A_e	effective area	64.00	mm^2
A_{\min}	minimum area	55.40	mm^2
W_t	mass of core set	≈ 12.4	g



Characteristic

GRADE	AL (nH/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	$3000 \pm 25\%$	≥ 315	≤ 1.74
DMR44	$3000 \pm 25\%$	≥ 315	≤ 1.49
DMR47	$3200 \pm 25\%$	≥ 325	≤ 1.24
DMR90	$2800 \pm 25\%$	≥ 325	≤ 1.65
DMR95	$3800 \pm 25\%$	≥ 315	≤ 1.34

GRADE	AL (nH/N^2)	B (mT)	CORE LOSS (W)
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A/m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=500\text{kHz}$ $B=50\text{mT}$ $T=100^\circ\text{C}$
DMR55	$2500 \pm 25\%$	≥ 300	≤ 0.78

GRADE	AL (nH/N^2)	μ_i
	$f=10\text{kHz}$ $U=0.25\text{V}$	$f=10\text{kHz}$ $U=0.25\text{V}$
R4K	$5700 \pm 25\%$	≈ 4300
R5K	$6900 \pm 25\%$	≈ 5000
R7K	$9750 \pm 25\%$	≈ 7000