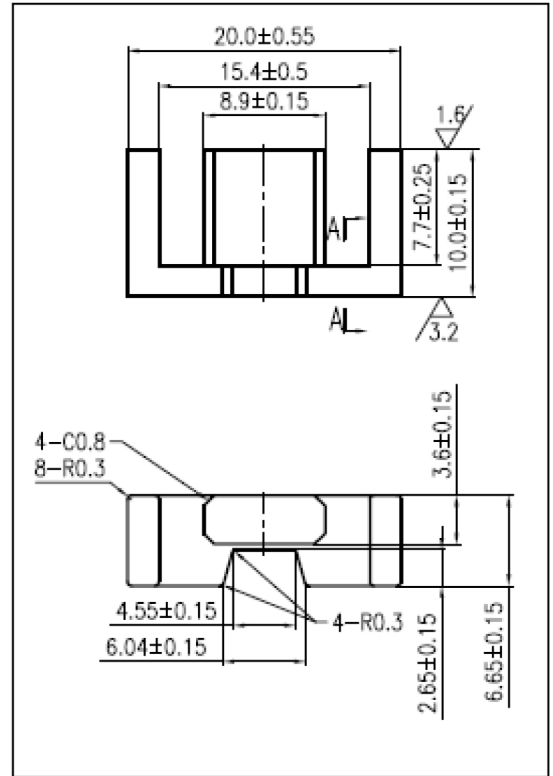


CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor (C_1)	1.52	mm^{-1}
V_e	effective volume	1457.0	mm^3
l_e	effective length	47.0	mm
A_e	effective area	31.0	mm^2
A_{\min}	minimum area	29.0	mm^2
W_t	mass of core set	≈ 7.2	g



Characteristic

GRADE	AL (nH/N^2)	B (mT)	CORE LOSS (W)	
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A}/\text{m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=100\text{kHz}$ $B=200\text{mT}$ $T=100^\circ\text{C}$	
DMR24	$1000 \pm 25\%$	≥ 300	≤ 1.10	
DMR40	$1300 \pm 25\%$	≥ 290	≤ 1.01	
DMR44	$1300 \pm 25\%$	≥ 290	≤ 0.80	
DMR95	$1800 \pm 25\%$	≥ 300	≤ 0.82	

GRADE	AL (nH/N^2)	B (mT)	CORE LOSS (W)	
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A}/\text{m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=500\text{kHz}$ $B=50\text{mT}$ $T=100^\circ\text{C}$	$f=3\text{MHz}$ $B=10\text{mT}$ $T=100^\circ\text{C}$
DMR50B	$1000 \pm 25\%$	≥ 275	≤ 0.364	—
DMR55	$1200 \pm 25\%$	≥ 275	≤ 0.466	—

GRADE	AL (nH/N^2)	μ_i
	$f=10\text{kHz}$ $U=0.25\text{V}$	$f=10\text{kHz}$ $U=0.25\text{V}$
R12K	≥ 4700 mirror	≈ 12000