

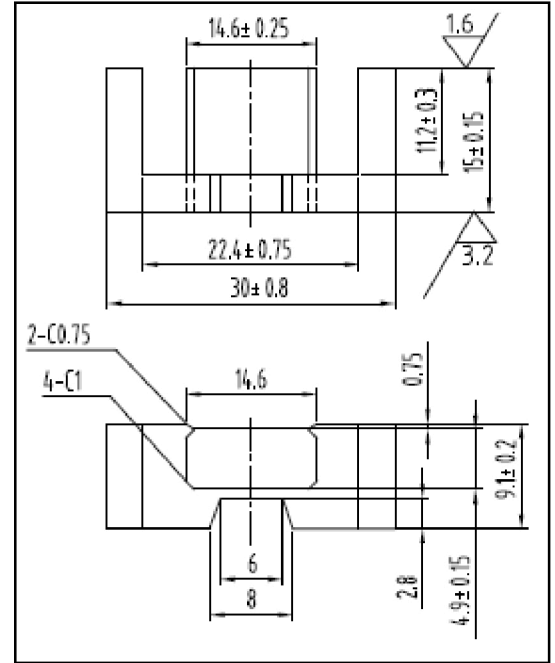


EFD30

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor (C_1)	0.98	mm^{-1}
V_e	effective volume	4692.0	mm^3
l_e	effective length	68.0	mm
A_e	effective area	69.0	mm^2
A_{\min}	minimum area	66.0	mm^2
W_t	mass of core	≈ 12.0	g



Characteristic

GRADE	AL (nH/N ²)	B (mT)	CORE LOSS (W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100°C	f=100kHz B=200mT T=100°C
DMR40	2100 ± 25%	≥ 290	≤ 3.36
DMR44	2100 ± 25%	≥ 290	≤ 2.64
DMR95	2900 ± 25%	≥ 290	≤ 2.58

GAP

GRADE	AL (nH)	μ_e	GAP (mm)
DMR44	160 ± 10%	125	≈ 0.69
DMR44	250 ± 10%	196	≈ 0.39
DMR44	315 ± 10%	247	≈ 0.29
DMR44	400 ± 10%	314	≈ 0.21
DMR44	630 ± 10%	494	≈ 0.12