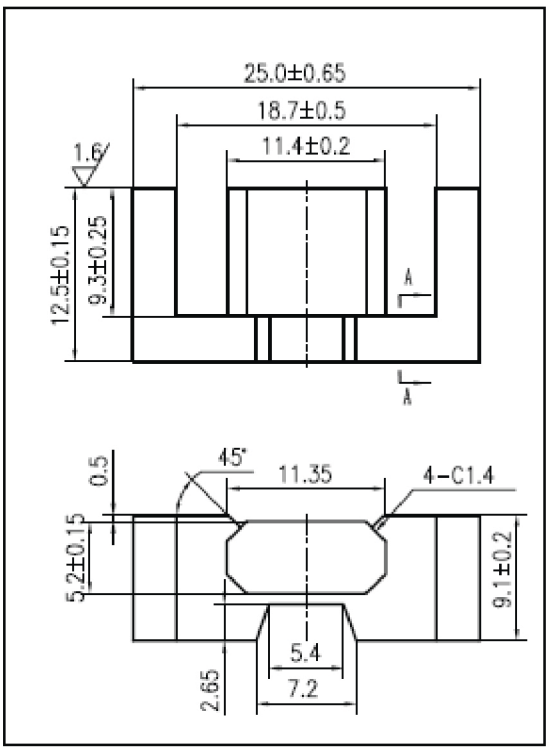
DMEGC

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(1/A)	core factor(C_1)	1.0	mm^{-1}
Ve	effective volume	3306.0	mm^3
le	effective length	57.0	mm
Ae	effective area	58.0	mm^2
Amin	minimum area	55.0	mm^2
Wt	mass of core set	≈16.1	g



Characteristice

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR24	1800±25%	≥300	≤2.50
DMR40	2200±25%	≥290	≤2.26
DMR44	2200±25%	≥290	≤1.77
DMR47	2300±25%	≥300	≤1.53

GAP

GRADE	AL(nH)	μ_e	GAP(mm)
DMR44	160±3%	124	≈0.56
DMR44	250±3%	193	≈0.32
DMR44	315±3%	246	≈0.24
DMR44	400±3%	313	≈0.18
DMR44	630±3%	493	≈0.10