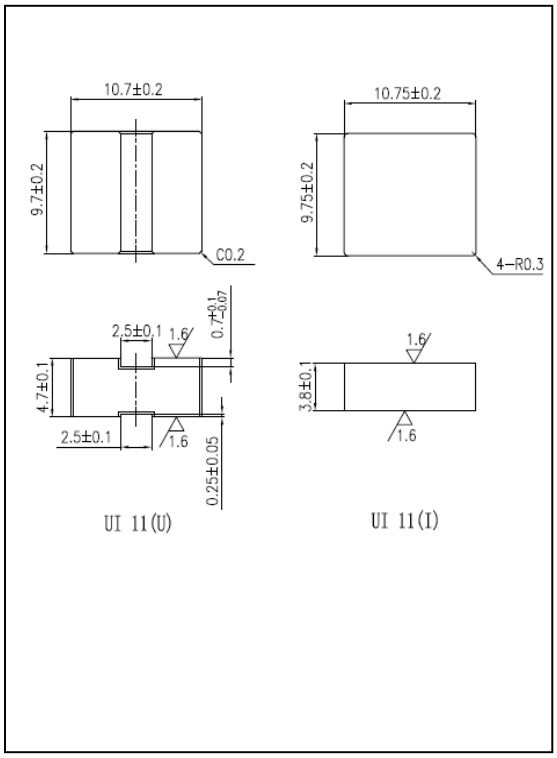
CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.52	mm^{-1}
Ve	effective volume	803.60	mm^3
le	effective length	20.50	mm
Ae	effective area	39.20	mm^2
Wt	mass of core set	≈4.4	g



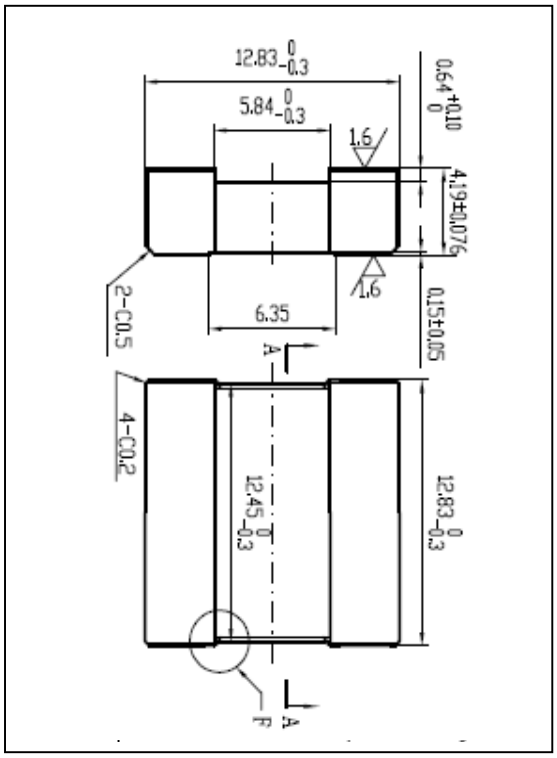
Characteristice

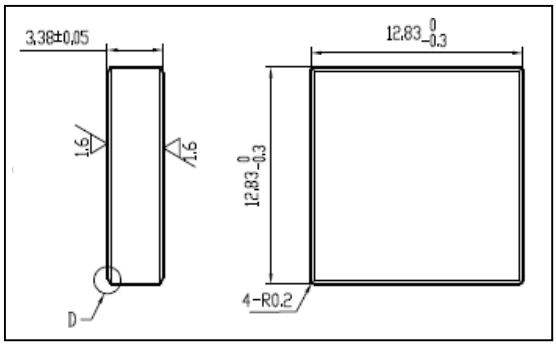
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR24	290±25%	—	—
DMR40	310±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.54	mm^{-1}
Ve	effective volume	1033.68	mm^3
le	effective length	23.60	mm
Ae	effective area	43.80	mm^2
Wt	mass of core set	≈5.48	g





Characteristice

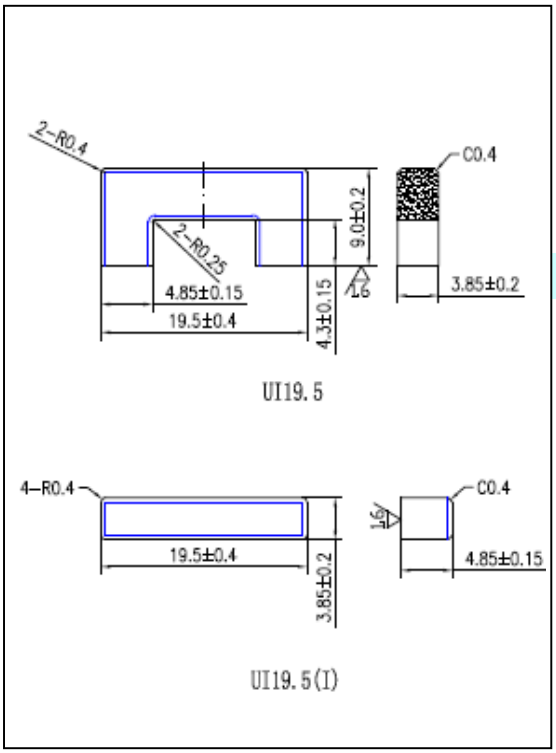
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR24	2650±25%	≥300	≤0.98
DMR40	2850±26%	≥250	≤0.80
DMR44	2850±25%	≥250	≤0.63
DMR47	2850±25%	≥270	≤0.55

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	2450±25%	≥270	≤0.27

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	2.34	mm^{-1}
Ve	effective volume	801.05	mm^3
le	effective length	43.30	mm
Ae	effective area	18.50	mm^2
Wt	mass of core set	≈4.0	g



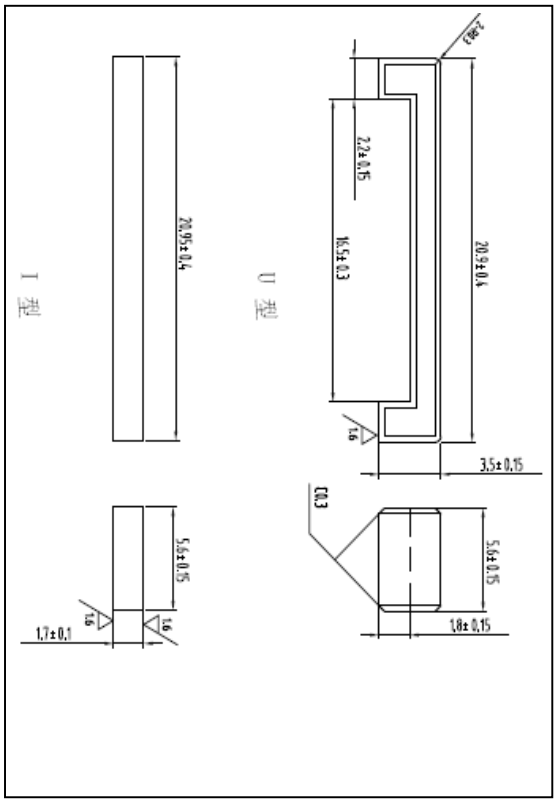
Characteristice

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℃
DMR40	1050±25%	≥290	≤0.58
DMR44	1050±25%	≥290	≤0.46

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	4.35	mm^{-1}
Ve	effective volume	417.48	mm^3
le	effective length	42.60	mm
Ae	effective area	9.80	mm^2
Amin	minimum area	9.52	mm^2
Wt	mass of core set	≈2.1	g



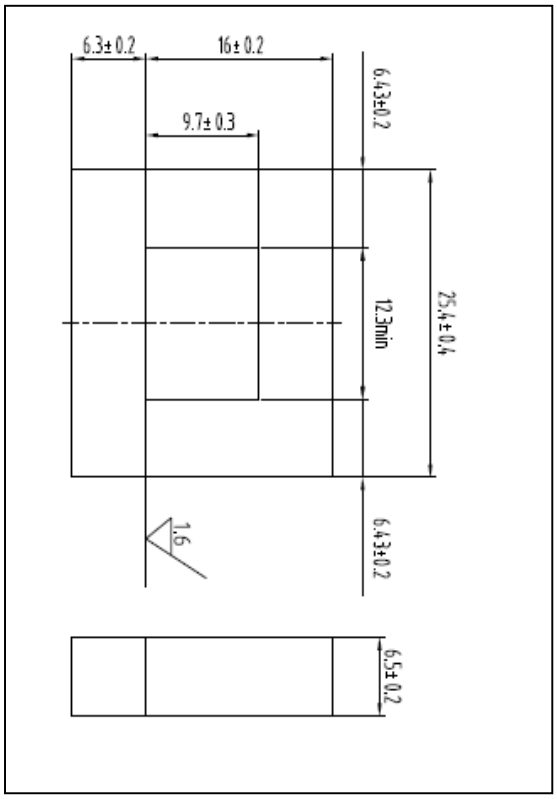
Characteristice

	AL(nH/N^2)	B(mT)	CORE LOSS(W)
GRADE	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR40	500±25%	≥290	≤0.31

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.32	mm^{-1}
Ve	effective volume	2436.72	mm^3
le	effective length	56.80	mm
Ae	effective area	42.90	mm^2
Amin	minimum area	40.95	mm^2
Wt	mass of core set	≈13.6	g



Characteristice

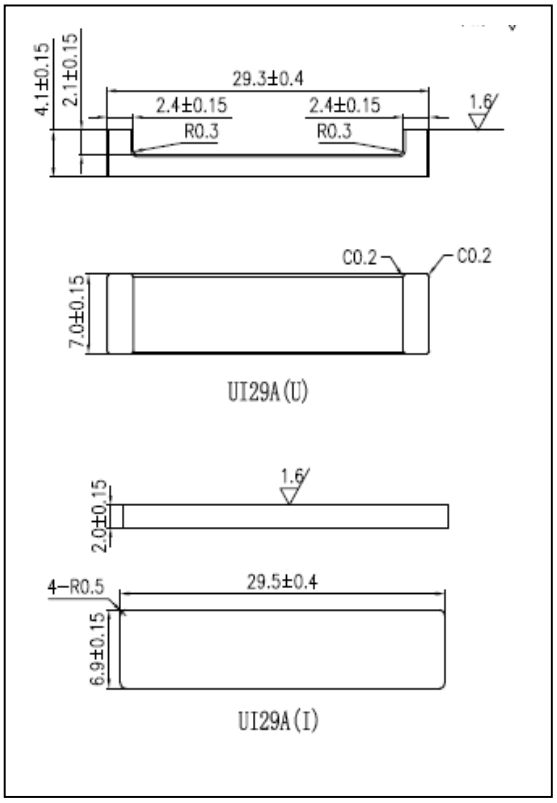
GRADE	AL(nH/N^2) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=100kHz B=200mT T=100℃
DMR40	1450±25%	≥290	≤1.77

GRADE	AL(nH/N^2) f=10kHz U=0.25V	μi f=10kHz U=0.25V
R5K	2250±25%	≈5000
R7K	2500±25%	≈7000
R10K	4000±30%	≈10000

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	4.19	mm^{-1}
Ve	effective volume	856.57	mm^3
le	effective length	59.90	mm
Ae	effective area	14.30	mm^2
Amin	minimum area	13.80	mm^2
Wt	mass of core set	≈4.18	g



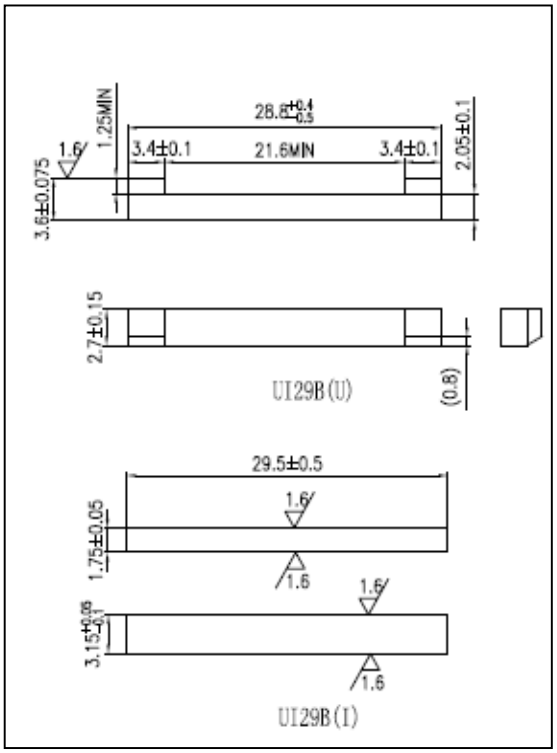
Characteristice

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℃
DMR40	650±25%	≥315	≤0.61
DMR44	650±25%	≥315	≤0.48

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	2.00	mm^{-1}
Ve	effective volume	1310.72	mm^3
le	effective length	51.20	mm
Ae	effective area	25.60	mm^2
Wt	mass of core set	≈6.7	g



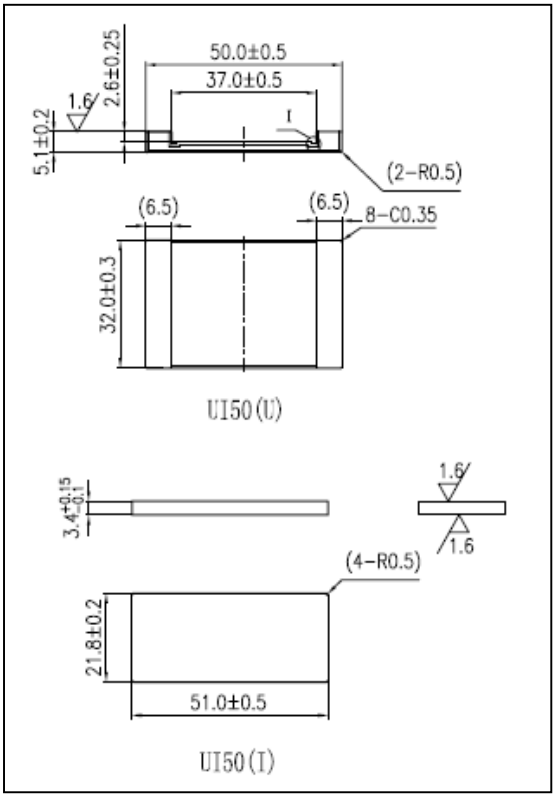
Characteristice

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℃
DMR40	300±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.08	mm^{-1}
Ve	effective volume	7196.45	mm^3
le	effective length	88.30	mm
Ae	effective area	81.50	mm^2
Amin	minimum area	75.21	mm^2
Wt	mass of core set	≈43.0	g



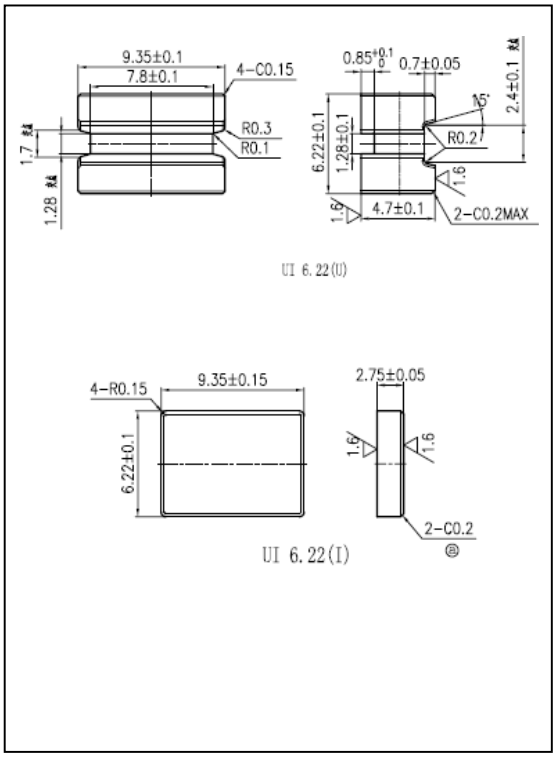
Characteristice

GRADE	AL(nH/N²) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=100kHz B=200mT T=100℃
DMR40	2100±25%	≥315	≤5.16
DMR44	2100±25%	≥315	≤4.52

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.62	mm^{-1}
Ve	effective volume	312.75	mm^3
le	effective length	13.90	mm
Ae	effective area	22.50	mm^2
Wt	mass of core set	≈2.0	g



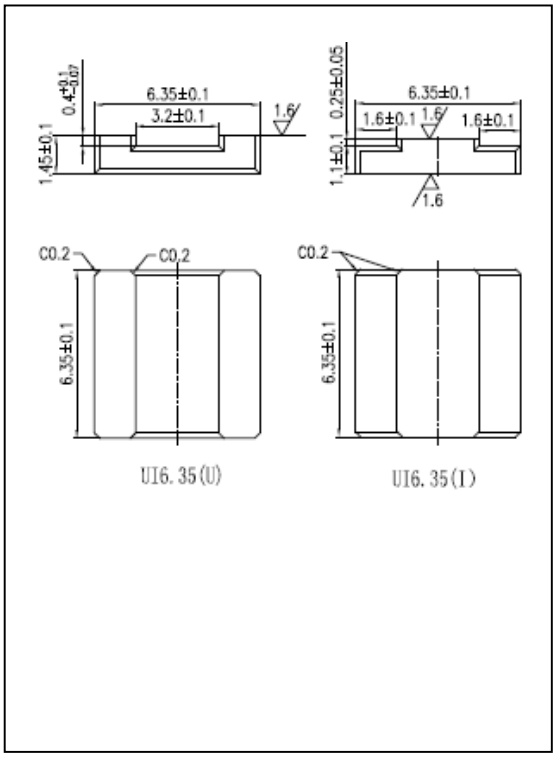
Characteristice

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℃
DMR95	2200±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.51	mm^{-1}
Ve	effective volume	82.88	mm^3
le	effective length	11.20	mm
Ae	effective area	7.40	mm^2
Wt	mass of core set	≈0.5	g



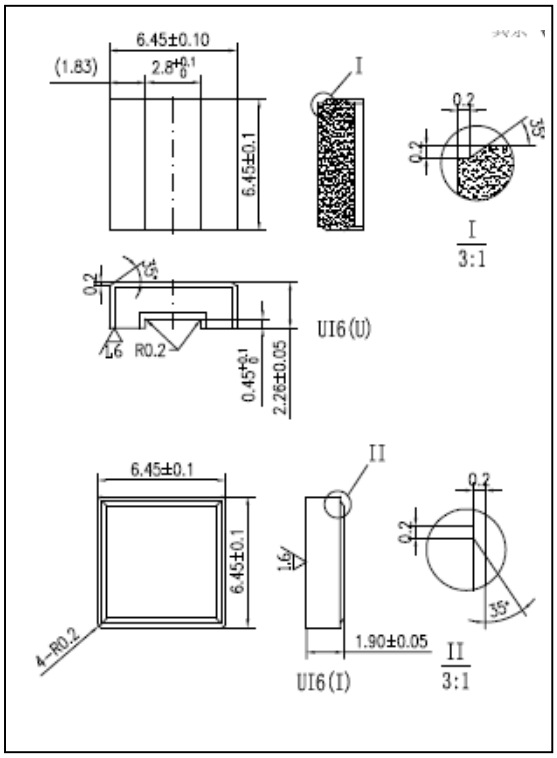
Characteristice

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℃
DMR95	1050±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.04	mm^{-1}
Ve	effective volume	145.14	mm^3
le	effective length	12.30	mm
Ae	effective area	11.80	mm^2
Wt	mass of core set	≈1.15	g



Characteristice

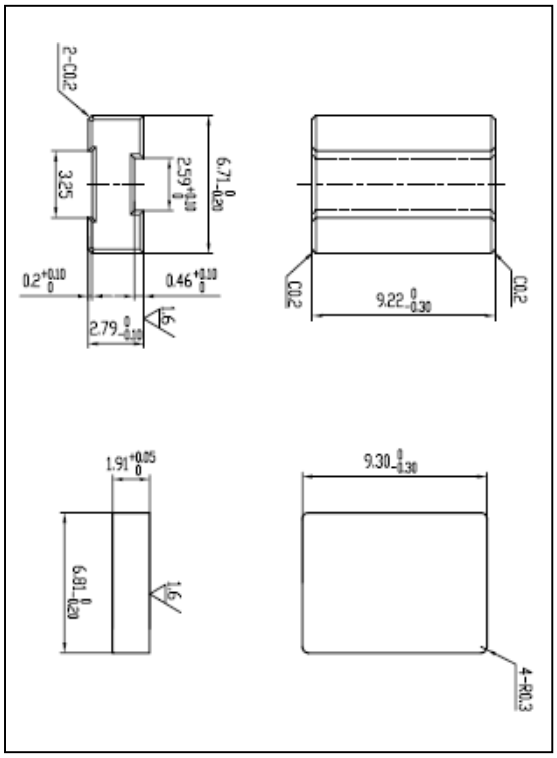
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR40	1100±25%	—	—

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)	
	f=10KHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃	f=3MHz B=10mT T=100℃
DMR50B	800±25%	—	—	

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.66	mm^{-1}
Ve	effective volume	233.12	mm^3
le	effective length	12.40	mm
Ae	effective area	18.80	mm^2
Wt	mass of core set	≈1.23	g



Characteristice

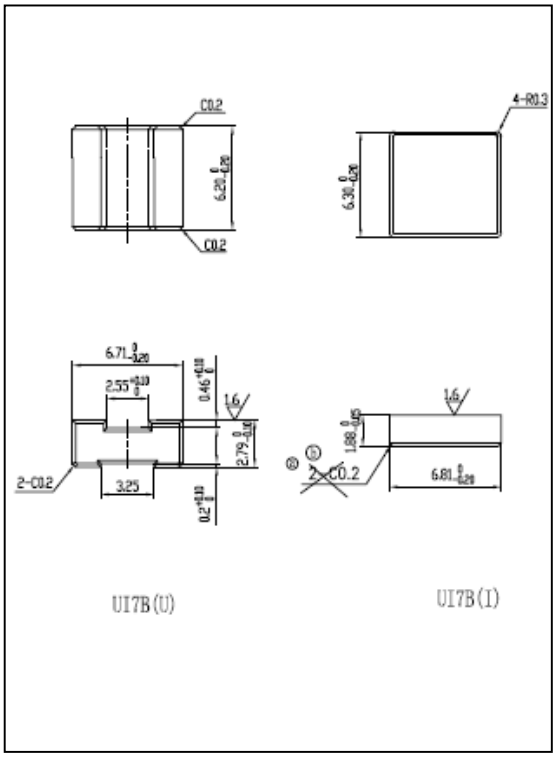
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR40	2200±25%	—	—

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	1300±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.02	mm^{-1}
Ve	effective volume	153.75	mm^3
le	effective length	12.50	mm
Ae	effective area	12.30	mm^2
Wt	mass of core set	≈0.83	g



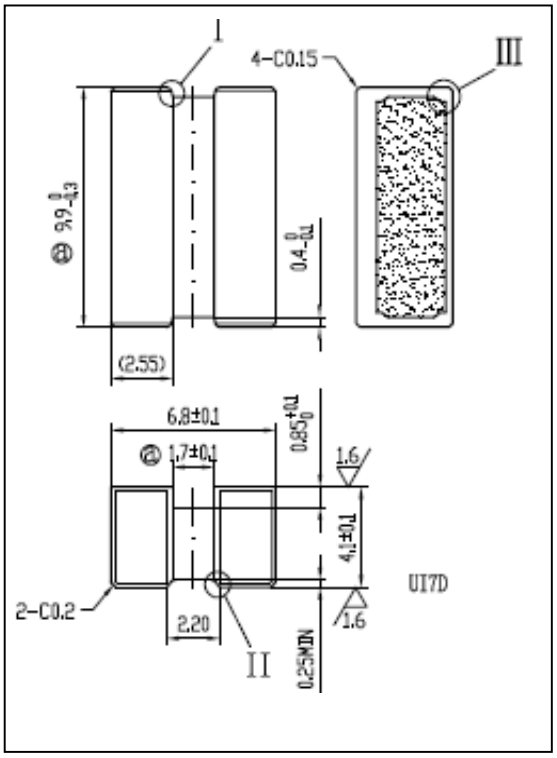
Characteristice

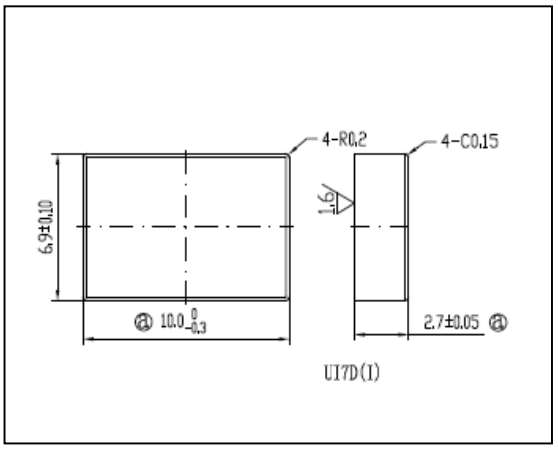
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR95	1200±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.52	mm^{-1}
Ve	effective volume	357.68	mm^3
le	effective length	13.60	mm
Ae	effective area	26.30	mm^2
Wt	mass of core set	≈2.4	g





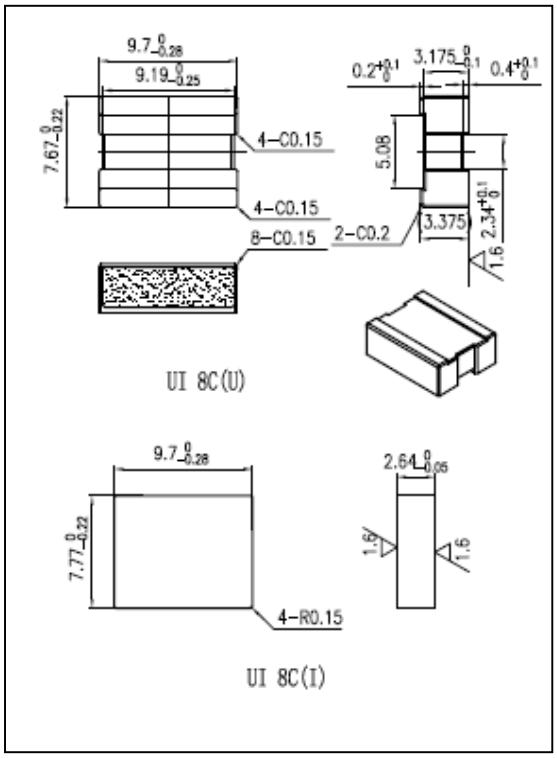
Characteristice

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	2000±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.66	mm^{-1}
Ve	effective volume	233.12	mm^3
le	effective length	12.40	mm
Ae	effective area	18.80	mm^2
Wt	mass of core set	≈1.23	g



Characteristice

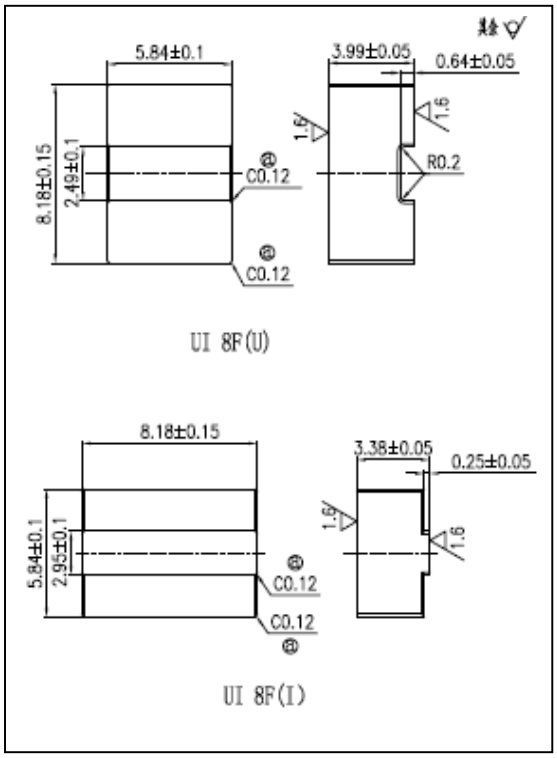
GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR40	2200±25%	—	—

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	1300±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.87	mm^{-1}
Ve	effective volume	294.40	mm^3
le	effective length	16.00	mm
Ae	effective area	18.40	mm^2
Wt	mass of core set	≈1.65	g



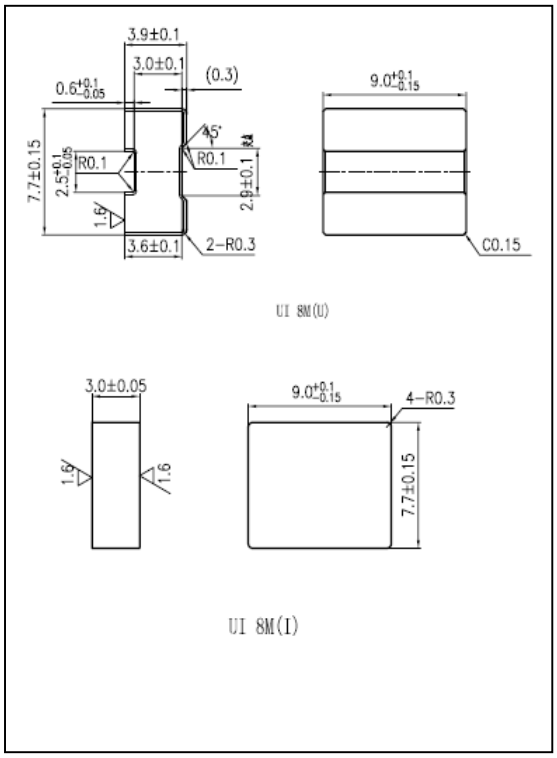
Characteristice

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	1900±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.58	mm^{-1}
Ve	effective volume	396.72	mm^3
le	effective length	15.20	mm
Ae	effective area	26.10	mm^2
Wt	mass of core set	≈3.45	g



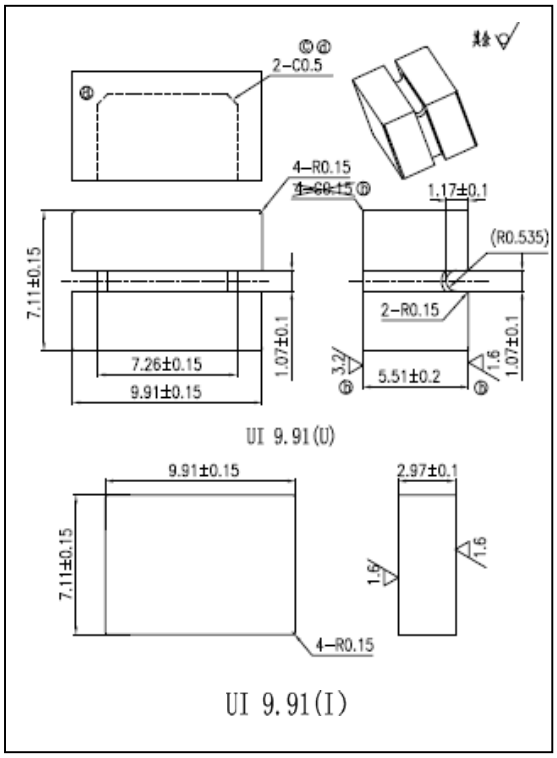
Characteristice

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR24	1800±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.46	mm^{-1}
Ve	effective volume	471.87	mm^3
le	effective length	14.70	mm
Ae	effective area	32.10	mm^2
Wt	mass of core set	≈2.5	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=500kHz B=50mT T=100℃
DMR40	3000±25%	—	—