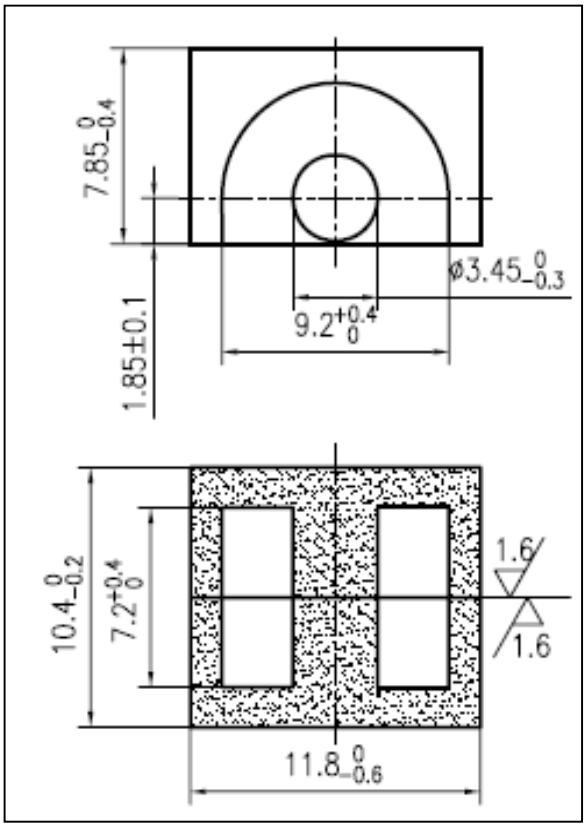
CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.70	mm^{-1}
Ve	effective volume	216.96	mm^3
le	effective length	19.20	mm
Ae	effective area	11.30	mm^2
Amin	minimum area	8.55	mm^2
Wt	mass of core set	≈2.8	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℃
DMR24	800±25%	≥325	≤0.18
DMR40	1100±25%	≥315	≤0.20
DMR44	1100±25%	≥315	≤0.16

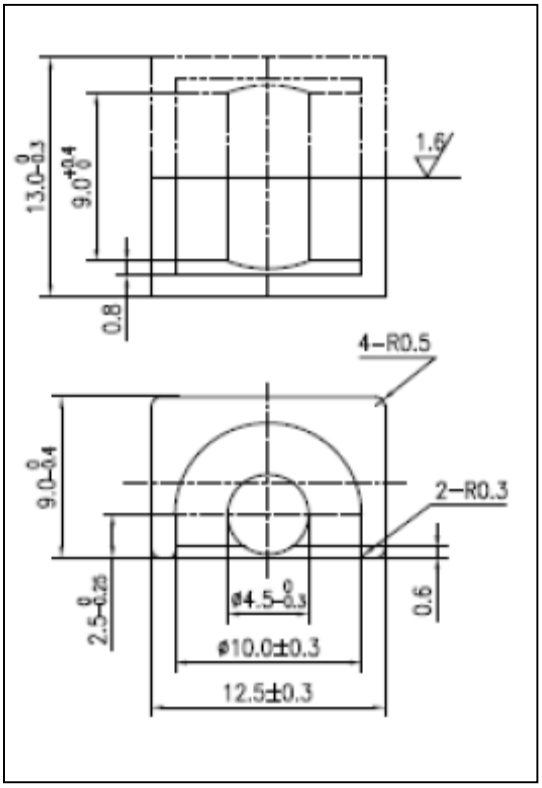
GRADE	AL(nH/N^2) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=500kHz B=50mT T=100℃
DMR55	850±25%	≥300	≤0.065

GRADE	AL(nH/N^2) f=10kHz U=0.25V	μi f=10kHz U=0.25V
R4K	1800±25%	≈4300
R5K	2000±25%	≈5000
R7K	2500±25%	≈7000
R10K	3000±25%	≈10000
R12K	4800 min (mirror)	≈12000

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.24	mm^{-1}
Ve	effective volume	471.9	mm^3
le	effective length	24.2	mm
Ae	effective area	19.5	mm^2
Amin	minimum area	14.9	mm^2
Wt	mass of core set	≈5.1	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	1500±25%	≥315	≤0.30
DMR44	1500±25%	≥315	≤0.26
DMR95	2000±25%	≥315	≤0.26

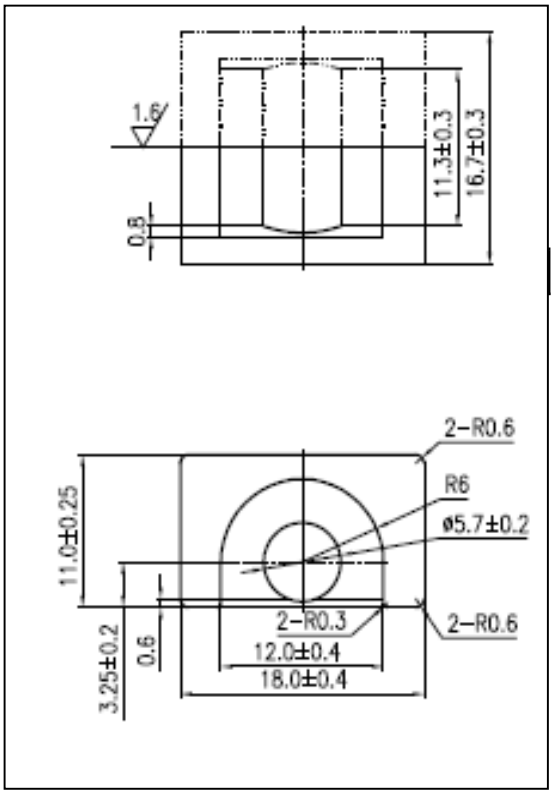
GRADE	AL(nH/N²) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=500kHz B=50mT T=100℃
DMR50B	950±25%	≥300	≤0.08
DMR55	1200±25%	≥300	≤0.15

GRADE	AL(nH/N²) f=10kHz U=0.25V	μi f=10kHz U=0.25V
DMR71	1800±25%	≈3800
R5K	2200±25%	≈5000
R7K	3200±25%	≈7000
R10K	7350±30% (mirror)	≈10000
R12K	8850min (mirror)	≈12000

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.84	mm^{-1}
Ve	effective volume	962.8	mm^3
le	effective length	28.4	mm
Ae	effective area	33.9	mm^2
Amin	minimum area	25.5	mm^2
Wt	mass of core set	≈13.4	g



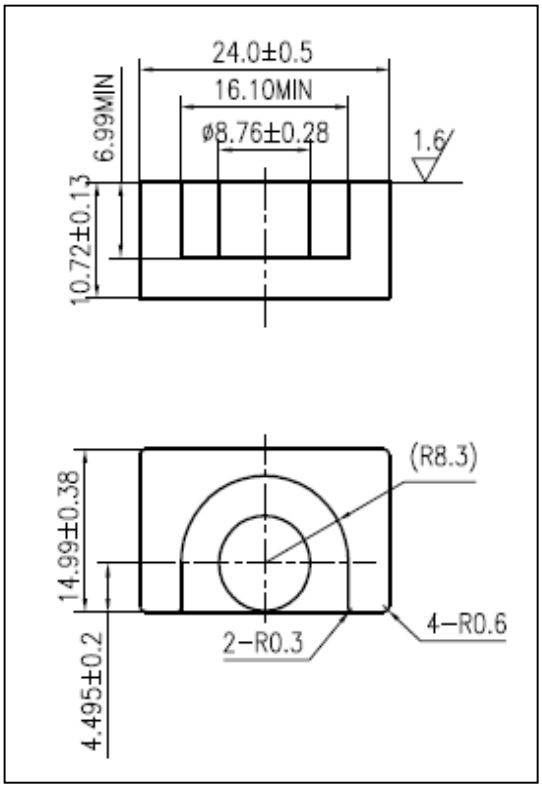
Characteristice

GRADE	AL(nH/N^2)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR40	2300±25%	≥315	≤0.77
DMR44	2300±25%	≥315	≤0.58

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.49	mm^{-1}
Ve	effective volume	3060.54	mm^3
le	effective length	38.74	mm
Ae	effective area	79.00	mm^2
Amin	minimum area	60.80	mm^2
Wt	mass of core set	≈27.5	g



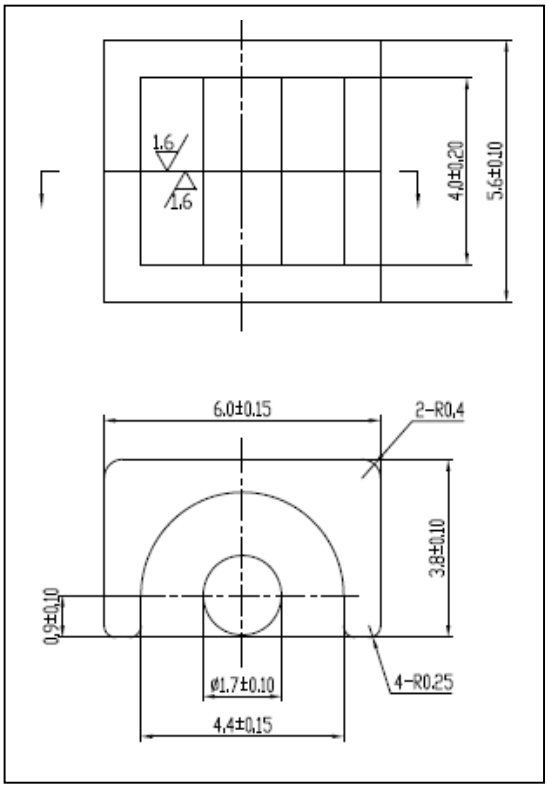
Characteristice

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℃
DMR40	4000±25%	≥315	≤2.75

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	0.31	mm^{-1}
Ve	effective volume	28.70	mm^3
le	effective length	9.60	mm
Ae	effective area	2.99	mm^2
Amin	minimum area	2.27	mm^2
Wt	mass of core set	≈0.68	g



Characteristice

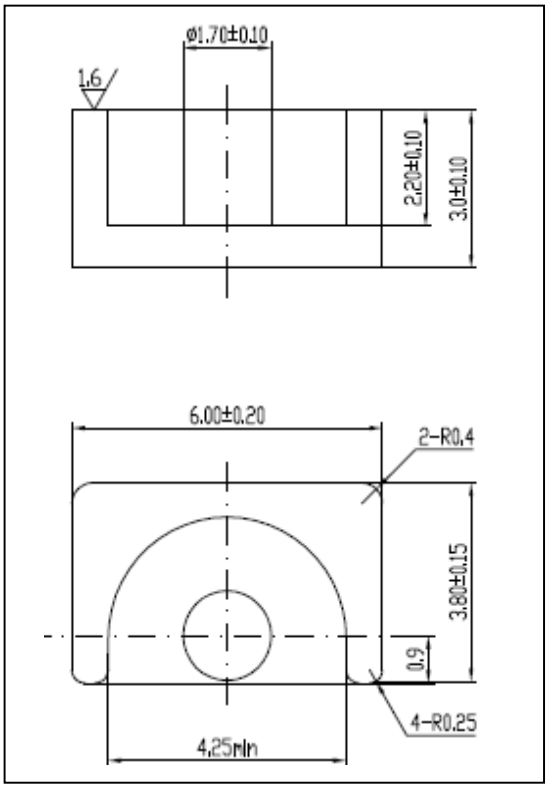
GRADE	AL(nH/N^2) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=100kHz B=200mT T=100℃
DMR40	380±25%	—	—
DMR44	380±25%	—	—
DMR95	400±25%	—	—

GRADE	AL(nH/N^2) f=10kHz U=0.25V	μi f=10kHz U=0.25V
R10K	1400min (mirror)	≈10000

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	3.43	mm^{-1}
Ve	effective volume	28.70	mm^3
le	effective length	10.20	mm
Ae	effective area	2.97	mm^2
Amin	minimum area	2.27	mm^2
Wt	mass of core set	≈0.45	g



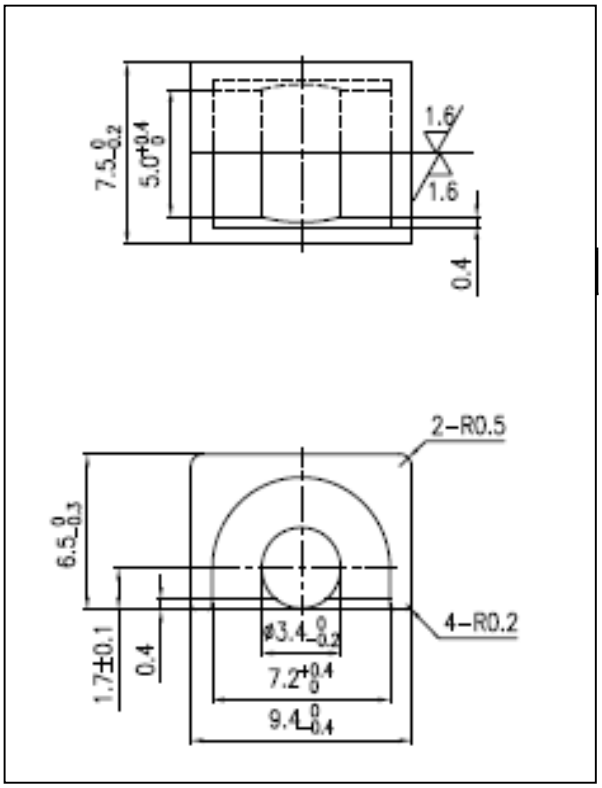
Characteristice

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	300±25%	—	—
DMR44	300±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.45	mm^{-1}
Ve	effective volume	165.85	mm^3
le	effective length	15.50	mm
Ae	effective area	10.70	mm^2
Amin	minimum area	8.55	mm^2
Wt	mass of core set	≈1.4	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	1200±25%	—	—
DMR44	1200±25%	—	—
DMR95	1300±25%	—	—

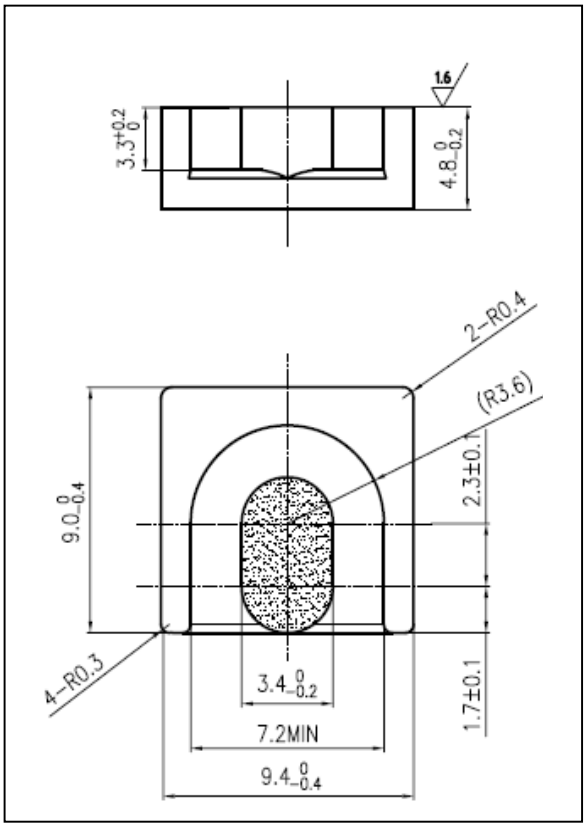
GRADE	AL(nH/N²) f=10kHz U=0.25V	B(mT) H=250A/m f=25kHz T=100℃	CORE LOSS(W) f=500kHz B=50mT T=100℃
DMR50B	550min	—	—
DMR55	780±25%	—	—

GRADE	AL(nH/N²) f=10kHz U=0.25V	μi f=10kHz U=0.25V
R4K	1400±25%	≈4300
R5K	2000±25%	≈5000
R7K	2600±25%	≈7000
R10K	4000min (mirror)	≈10000

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.05	mm^{-1}
Ve	effective volume	393.8	mm^3
le	effective length	20.3	mm
Ae	effective area	19.4	mm^2
Amin	minimum area	14.5	mm^2
Wt	mass of core set	≈2.1	g



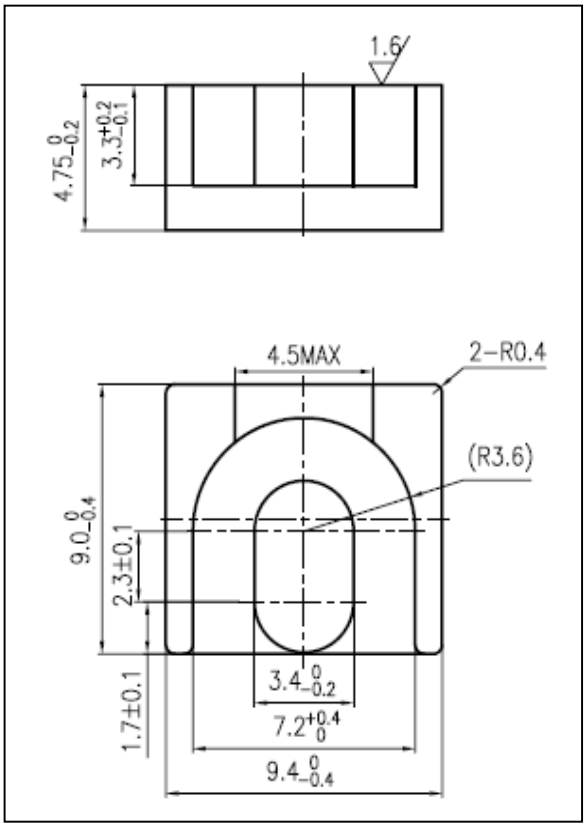
Characteristice

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℃
DMR40	1500±25%	—	—

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	1.15	mm^{-1}
Ve	effective volume	304.81	mm^3
le	effective length	18.70	mm
Ae	effective area	16.30	mm^2
Amin	minimum area	11.75	mm^2
Wt	mass of core set	≈2.6	g



Characteristice

GRADE	AL(nH/N²)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=100kHz B=200mT T=100℃
DMR24	1200±25%	≥325	≤0.32
DMR40	1300±25%	≥315	≤0.26

GRADE	AL(nH/N²)	B(mT)	CORE LOSS(W)
	f=10kHz U=0.25V	H=250A/m f=25kHz T=100℃	f=500kHz B=50mT T=100℃
DMR50B	1100±25%	≥300	≤0.078

GRADE	AL(nH/N²)	μi
	f=10kHz U=0.25V	f=10kHz U=0.25V
DMR71	2400±25%	≈3800