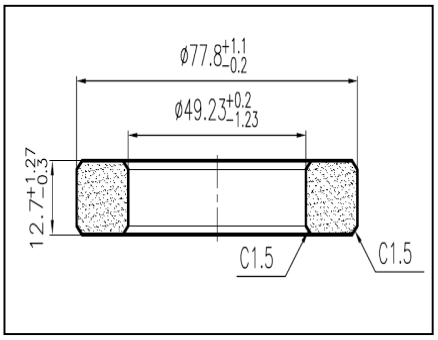
CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor(C_1)	11.30	cm^{-1}
Ve	effective volume	34.77	cm^3
le	effective length	20	cm
Ae	effective area	1.77	cm^2



dimension（mm）	before coating	after coating
OD	$77.8^{+1.1}_{-0.2}$	78.90 max
ID	$49.23^{+0.2}_{-1.23}$	48.0 min
HT	$12.7^{+1.27}_{-0.3}$	13.97 max

Characteristice

AL(nH/N2)	Part No.	Percent initial Permeability (%μi)		Core Loss (mW/cm^3)	
f=200KHz U=0.05V	FeSiAl	50 Oe	100 Oe	50kHz/100mT	100kHz/100mT
30	DS778026	90	79	300	900
68	DS778060	71	45	250	700
85	DS778075	60	35	230	650
102	DS778090	55	27	200	550
142	DS778125	40	18	200	550

f=200KHz U=0.05V	FeSi	50 Oe	100 Oe	50kHz/100mT	100kHz/100mT
30	DF778026	88	78	1500	3300
68	DF778060	73	55	800	2700
85	DF778075	66	47	800	2600
102	DF778090	57	35	800	2500
f=200KHz U=0.05V	FeSi	50 Oe	100 Oe	50kHz/100mT	100kHz/100mT
30	DFG778026	95	90	700	2000
68	DFG778060	85	64	700	1800
85	DFG778075	78	52	700	1800
102	DFG778090	70	42	700	1800

f=200KHz U=0.05V	FeNiMo	50 Oe	100 Oe	50kHz/100mT	100kHz/100mT
30	DM778026	92	82	200	600
68	DM778060	82	52	200	600
142	DM778125	55	17	200	600

f=200KHz U=0.05V	FeNi	50 Oe	100 Oe	50kHz/100mT	100kHz/100mT
30	DH778026	95	85	400	800
68	DH778060	85	70	300	750
142	DH778125	70	42	500	1000
备注：DC Bias与Core Loss为压制成标准环D*270所测得典型值，实际产品的测试数据会有所波动。					