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PART NUMBER :	TDF127090	REV.	A

SPECIFICATION

PART NO: TDF127090

【Approval Stamp Column 】

Customer :



STODA Technologies(Shantou)LTD
Tel : 0754-89918282
Website: www.stodatech.com
Email: sales@stodatech.com
Address: Huanshi east road, Chen nan street , Chaoyang , Shan tou, Guang dong P.R.C

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1: PHYSICAL DIMENSION

BEFORE COATING

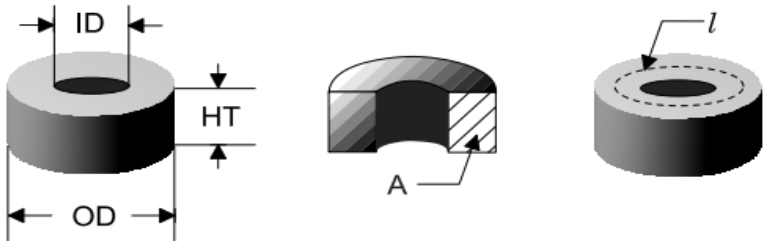
OUTSIDE DIAMETER	(OD)	:	12.70	mm	MAX
INSIDE DIAMETER	(ID)	:	7.62	mm	MIN
HEIGHT	(HT)	:	4.75	mm	MAX

AFTER COATING :

OUTSIDE DIAMETER	(OD)	:	13.46	mm	MAX
INSIDE DIAMETER	(ID)	:	6.99	mm	MIN
HEIGHT	(HT)	:	5.51	mm	MAX

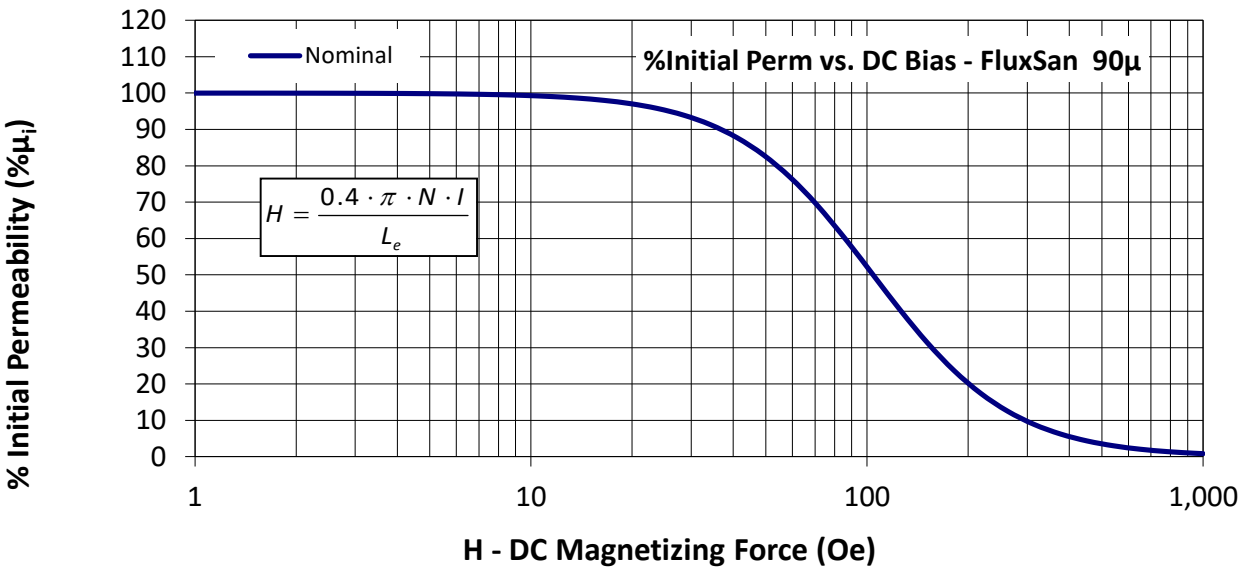
2: CORE MAGNETIC PARAMETERS

EFFECTIVE MAGNETIC PATH LENGTH	(L _e) :	3.12	cm
EFFECTIVE CROSS SEPCION AREA	(A _e) :	0.114	cm ²
EFFECTIVE VOLUME	(V _e) :	0.356	cm ³



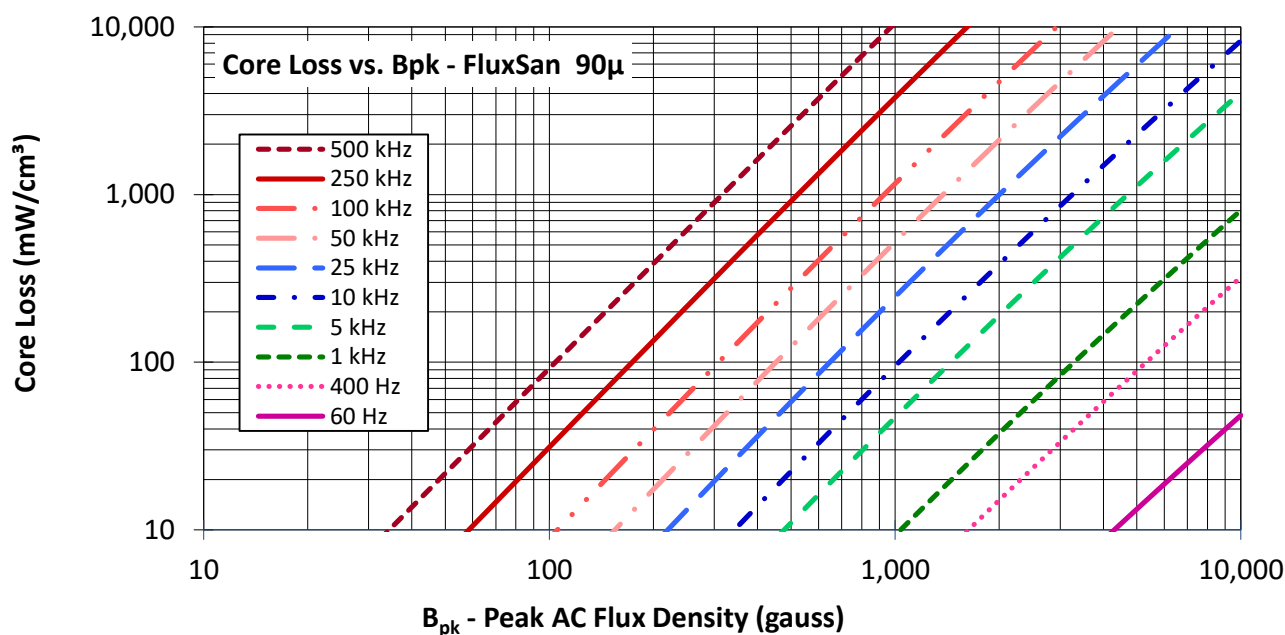
3: DC BIASED INDUCTANCE

H _{DC}	:	50	Oe
PERCENT INITIAL PERM(NOM)	:	52.19%	
PERCENT INITIAL PERM(MIN.)	:	44.84%	



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4: CORE LOSS			

B_{pk} : 1000 G
 FREQUENCY : 50 kHz
 CORE LOSS (NOMINAL) : 570 mW/cm³
 CORE LOSS (MAXIMUM) : 600 mW/cm³



5: INDUCTANCE

μ_i (REFERENCE) : 90
 AL VALUE (NOMINAL) : 40 nH/N²
 TEST WINDING : N=50, #28 AWG
 FREQUENCY : 10 kHz
 VOLTAGE ON TH2829A : 0.025 V
 AL TOLERANCE : $\pm 8\%$
 TEST INSTRUMENT : TH2829A

6: COATING/PACKAGE

COATING TYPE : Blue Epoxy
 VOLTAGE BREAKDOWN (MIN.) : 1000 Vrms
 LIMIT : 0.1 mA, 5 s
 PACKAGE QUANTITY : 5,400 Pcs/Box

REVISION HISTORY			PREPARED	CHECKED	APPROVED
REV.	DESCRIPTION	DATE			
A	FIRST ISSUE	2022/4/2	