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PART NUMBER :	TDC571026	REV.	A

SPECIFICATION

PART NO: TDC571026

【Approval Stamp Column 】

Customer :



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1: PHYSICAL DIMENSION

BEFORE COATING

OUTSIDE DIAMETER (OD) : 57.15 mm MAX

INSIDE DIAMETER (ID) : 26.39 mm MIN

HEIGHT (HT) : 15.24 mm MAX

AFTER COATING :

OUTSIDE DIAMETER (OD) : 58.04 mm MAX

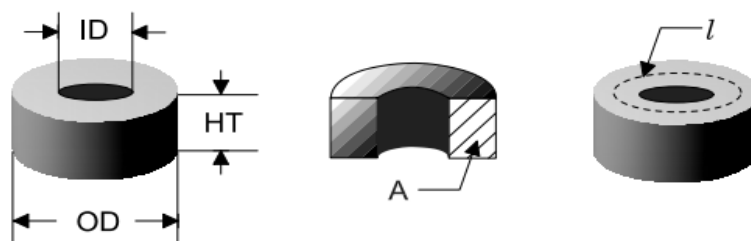
INSIDE DIAMETER (ID) : 25.58 mm MIN

HEIGHT (HT) : 16.13 mm MAX

2: CORE MAGNETIC PARAMETERS

EFFECTIVE MAGNETIC PATH LENGTH (L_e): 12.5 cmEFFECTIVE CROSS SEPCION AREA (A_e): 2.29 cm²

EFFECTIVE VOLUME (V_e): 28.60 cm³

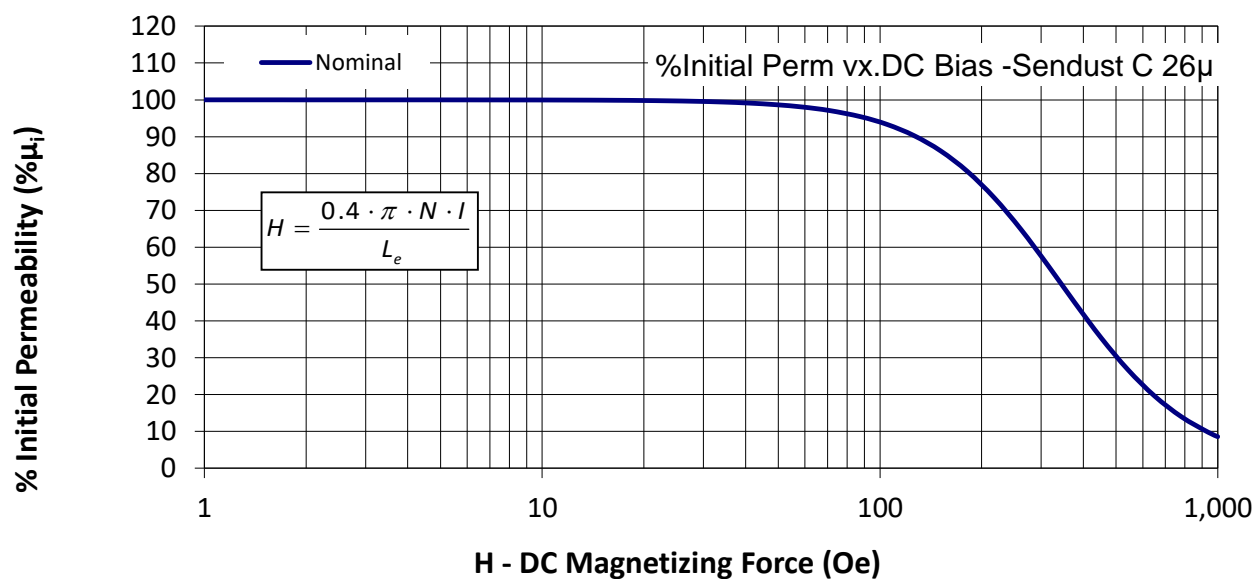


3: DC BIASED INDUCTANCE

$$H_{DC} : 200 \text{ } 0e$$

PERCENT INITIAL PERM(NOM) : 76.98%

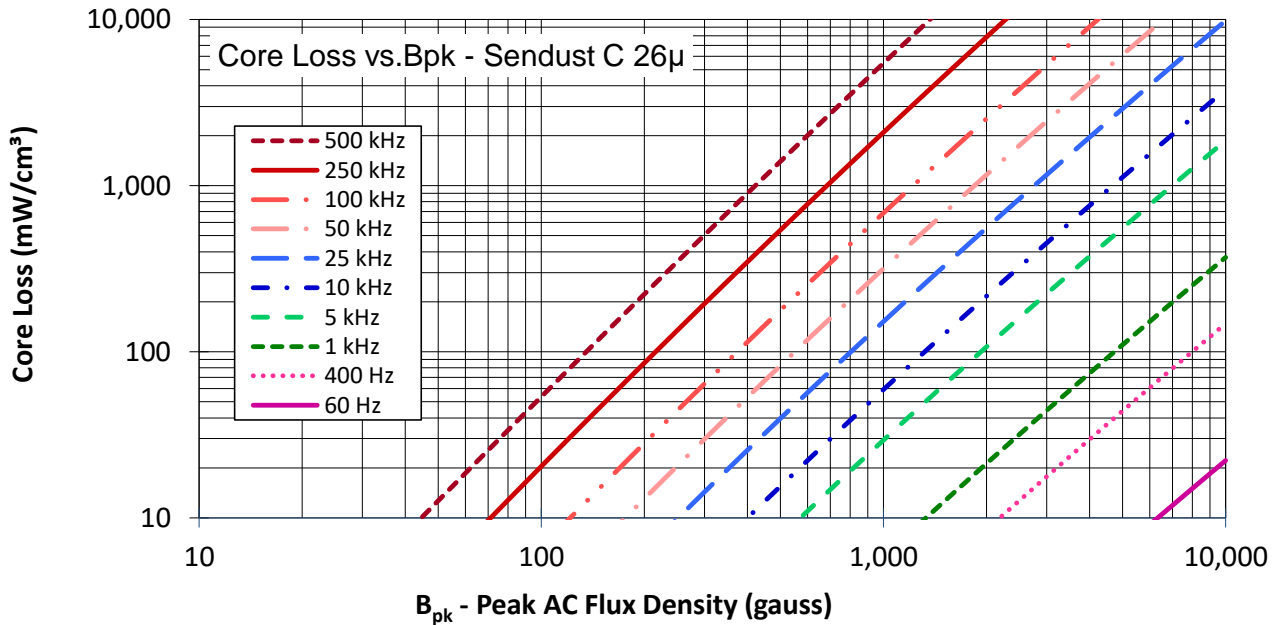
PERCENT INITIAL PERM(MIN.) : 70.82%



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4: CORE LOSS

B_{pk} : 500 G
 FREQUENCY : 100 kHz
 CORE LOSS (NOMINAL) : 178 mW/cm³
 CORE LOSS (MAXIMUM) : 250 mW/cm³



5: INDUCTANCE

μ_i (REFERENCE) : 26
 AL VALUE (NOMINAL) : 60 nH/N²
 FREQUENCY : 10kHz
 VOLTAGE ON TH2829A : 0.29V
 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 : 80 Pcs/Box

7: MATERIAL DESCRIPTION

FALSE

REVISION HISTORY			PREPARED	CHECKED	APPROVED
REV.	DESCRIPTION	DATE			
A	FIRST ISSUE	2022/6/8	