

SPECIFICATION		PAGE	1/3
PART NUMBER :	TDC203026	REV.	A

**SPECIFICATION**

**PART NO: TDC203026**

【Approval Stamp Column 】

Customer :



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SPECIFICATION		PAGE	2/3
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**A**

## 1: PHYSICAL DIMENSION

BEFORE COATING

OUTSIDE DIAMETER (OD) : 20.32 mm MAX

INSIDE DIAMETER (ID) : 12.7 mm MIN

HEIGHT (HT) : 6.35 mm MAX

AFTER COATING :

OUTSIDE DIAMETER (OD) : 21.08 mm MAX

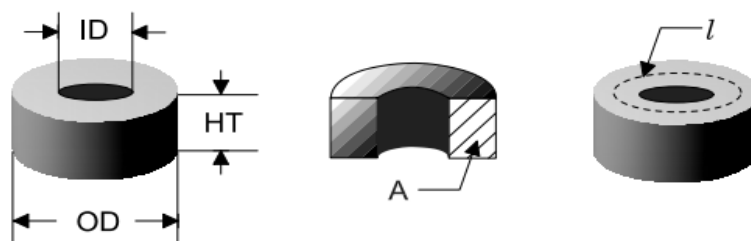
INSIDE DIAMETER (ID) : 12.07 mm MIN

HEIGHT (HT) : 7.11 mm MAX

## 2: CORE MAGNETIC PARAMETERS

EFFECTIVE MAGNETIC PATH LENGTH ( $L_p$ ): 5.09 cmEFFECTIVE CROSS SEPCION AREA (A<sub>e</sub>): 0.226 cm<sup>2</sup>

EFFECTIVE VOLUME (V<sub>e</sub>): 1.15 cm<sup>3</sup>

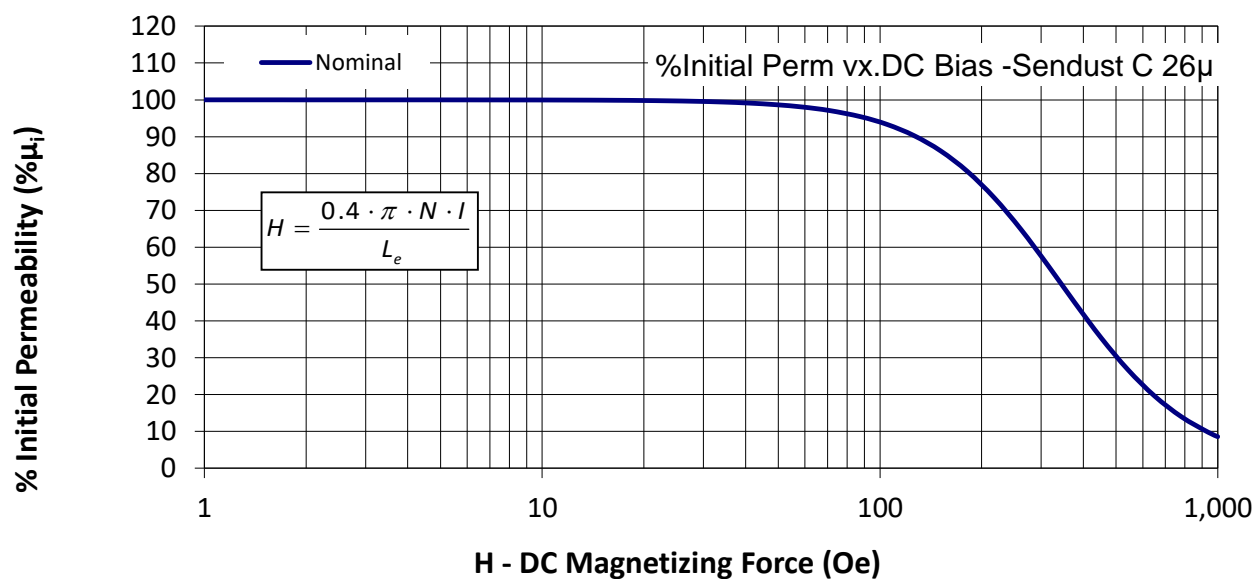


### 3: DC BIASED INDUCTANCE

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

PERCENT INITIAL PERM(NOM) : 76.98%

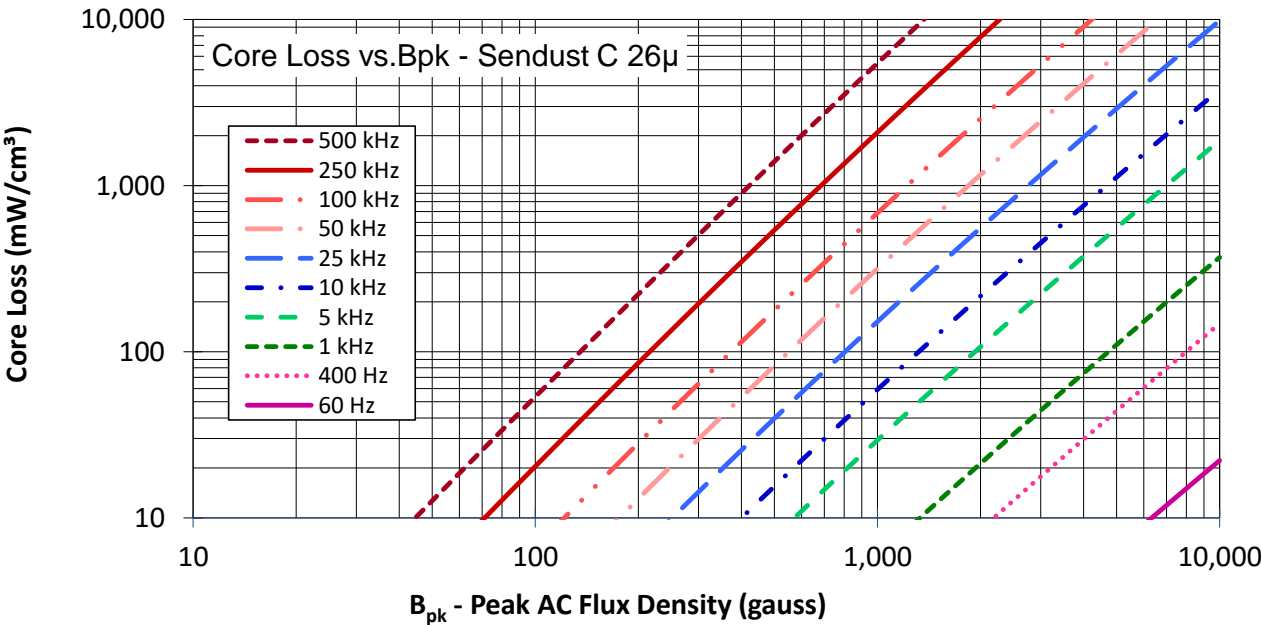
PERCENT INITIAL PERM(MIN.) : 70.82%



PART NUMBER :	TDC203026	REV.	A
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4: CORE LOSS

$B_{pk}$	:	500 G
FREQUENCY	:	100 kHz
CORE LOSS (NOMINAL)	:	178 mW/cm <sup>3</sup>
CORE LOSS (MAXIMUM)	:	250 mW/cm <sup>3</sup>



5: INDUCTANCE

$\mu_i$ (REFERENCE)	:	26
AL VALUE (NOMINAL)	:	14 nH/N <sup>2</sup>
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	:	1500 Pcs/Box

7: MATERIAL DESCRIPTION

FALSE

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