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| SPECIFICATION | | PAGE | 1/3 |
| PART NUMBER : | TNF401060 | REV. | A |

SPECIFICATION

PART NO: TNF401060

【Approval Stamp Column 】

Customer :



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1: PHYSICAL DIMENSION

BEFORE COATING

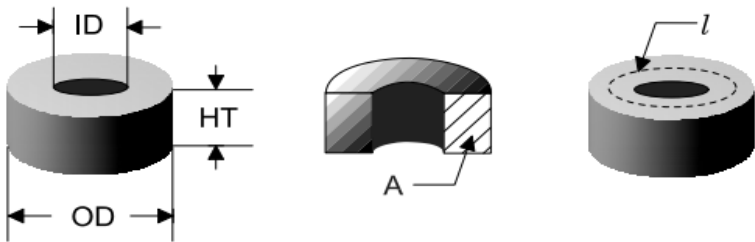
| | | | | | |
|------------------|------|---|-------|----|-----|
| OUTSIDE DIAMETER | (OD) | : | 40.13 | mm | MAX |
| INSIDE DIAMETER | (ID) | : | 22.08 | mm | MIN |
| HEIGHT | (HT) | : | 17.00 | mm | MAX |

AFTER COATING :

| | | | | | |
|------------------|------|---|-------|----|-----|
| OUTSIDE DIAMETER | (OD) | : | 40.94 | mm | MAX |
| INSIDE DIAMETER | (ID) | : | 21.27 | mm | MIN |
| HEIGHT | (HT) | : | 17.89 | mm | MAX |

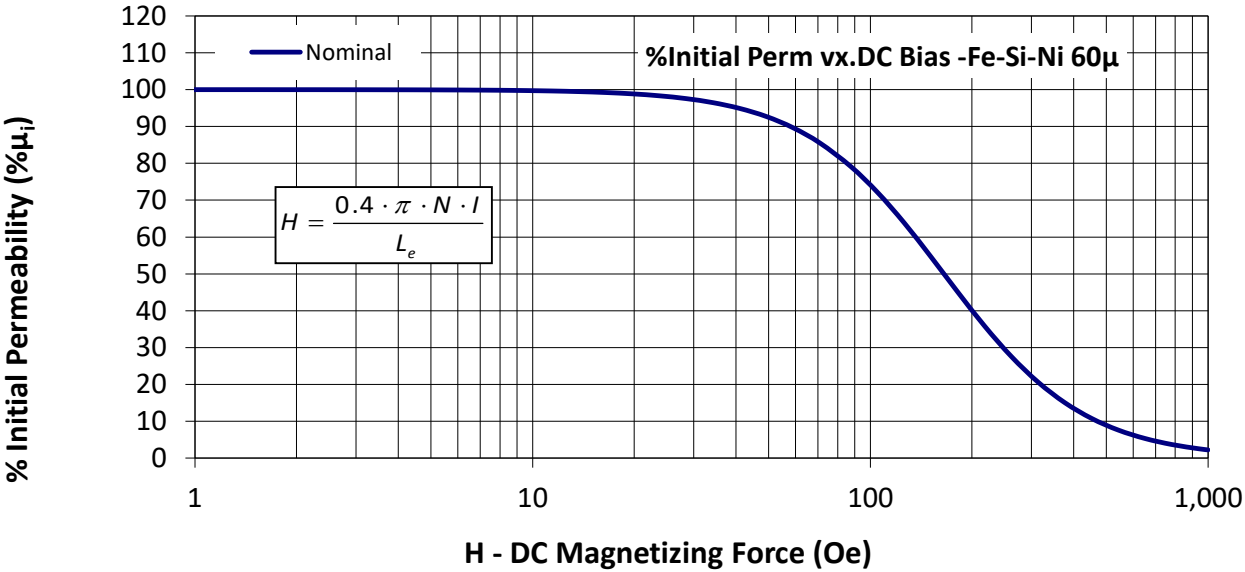
2: CORE MAGNETIC PARAMETERS

| | | | | |
|--------------------------------|-------------------|---|-------|-----------------|
| EFFECTIVE MAGNETIC PATH LENGTH | (L _e) | : | 9.51 | cm |
| EFFECTIVE CROSS SEPCION AREA | (A _e) | : | 1.537 | cm ² |
| EFFECTIVE VOLUME | (V _e) | : | 15.04 | cm ³ |



3: DC BIASED INDUCTANCE

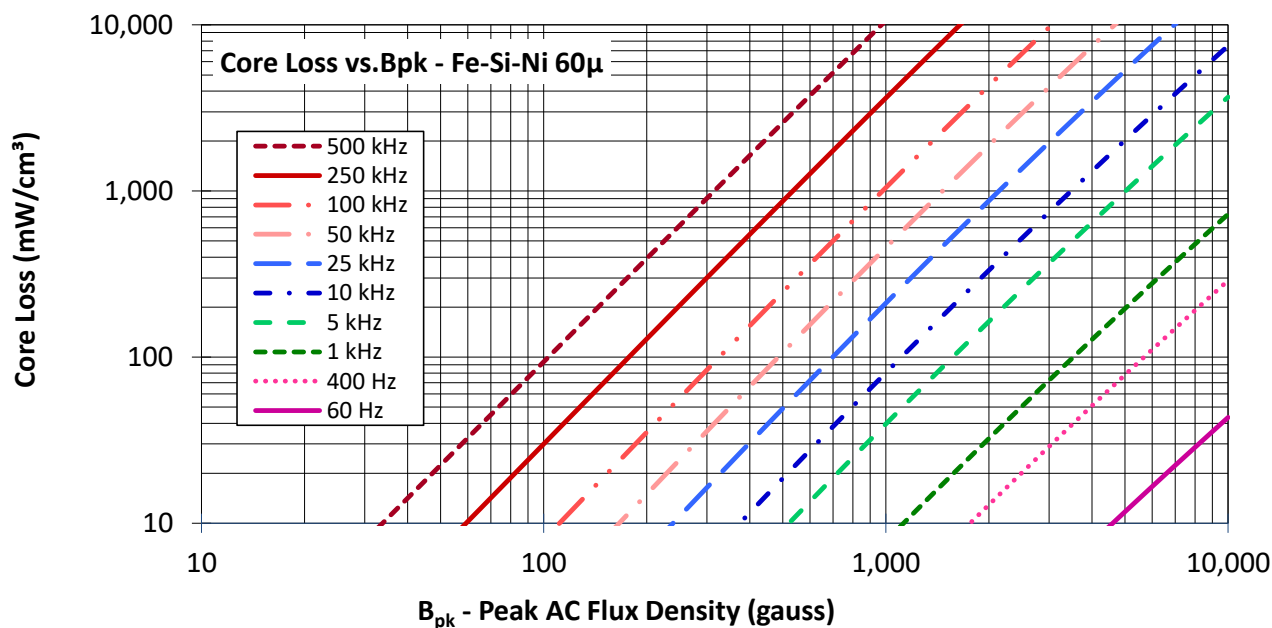
| | | | |
|-----------------------------|---|--------|----|
| H _{DC} | : | 100 | Oe |
| PERCENT INITIAL PERM(NOM) | : | 74.15% | |
| PERCENT INITIAL PERM(MIN.) | : | 68.14% | |



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4: CORE LOSS

B_{pk} : 1000 G
 FREQUENCY : 50 kHz
 CORE LOSS (NOMINAL) : 457 mW/cm³
 CORE LOSS (MAXIMUM) : 520 mW/cm³



5: INDUCTANCE

μ_i (REFERENCE) : 60
 AL VALUE (NOMINAL) : 86 nH/N²
 FREQUENCY : 10kHz
 VOLTAGE ON TH2829A : 0.29V
 AL TOLERANCE : $\pm 8\%$
 TEST INSTRUMENT : TH2829A

6: COATING/PACKAGE

COATING TYPE : Red Epoxy
 VOLTAGE BREAKDOWN (MIN.) : 1000 Vrms
 LIMIT : 0.1 mA, 5 s
 PACKAGE QUANTITY : 180 Pcs/Box

7: MATERIAL DESCRIPTION

Fe, Si, Ni

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