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| PART NUMBER : | TNF468060 | REV. | A   |

**SPECIFICATION**

**PART NO:           TNF468060**

【Approval Stamp Column 】

Customer :



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1: PHYSICAL DIMENSION

BEFORE COATING

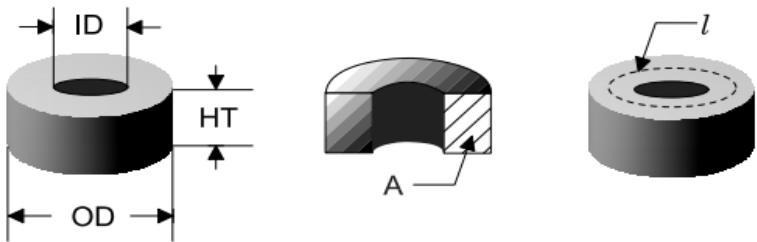
|                  |      |   |       |    |     |
|------------------|------|---|-------|----|-----|
| OUTSIDE DIAMETER | (OD) | : | 46.74 | mm | MAX |
| INSIDE DIAMETER  | (ID) | : | 28.7  | mm | MIN |
| HEIGHT           | (HT) | : | 15.24 | mm | MAX |

AFTER COATING :

|                  |      |   |       |    |     |
|------------------|------|---|-------|----|-----|
| OUTSIDE DIAMETER | (OD) | : | 47.63 | mm | MAX |
| INSIDE DIAMETER  | (ID) | : | 27.89 | mm | MIN |
| HEIGHT           | (HT) | : | 16.13 | mm | MAX |

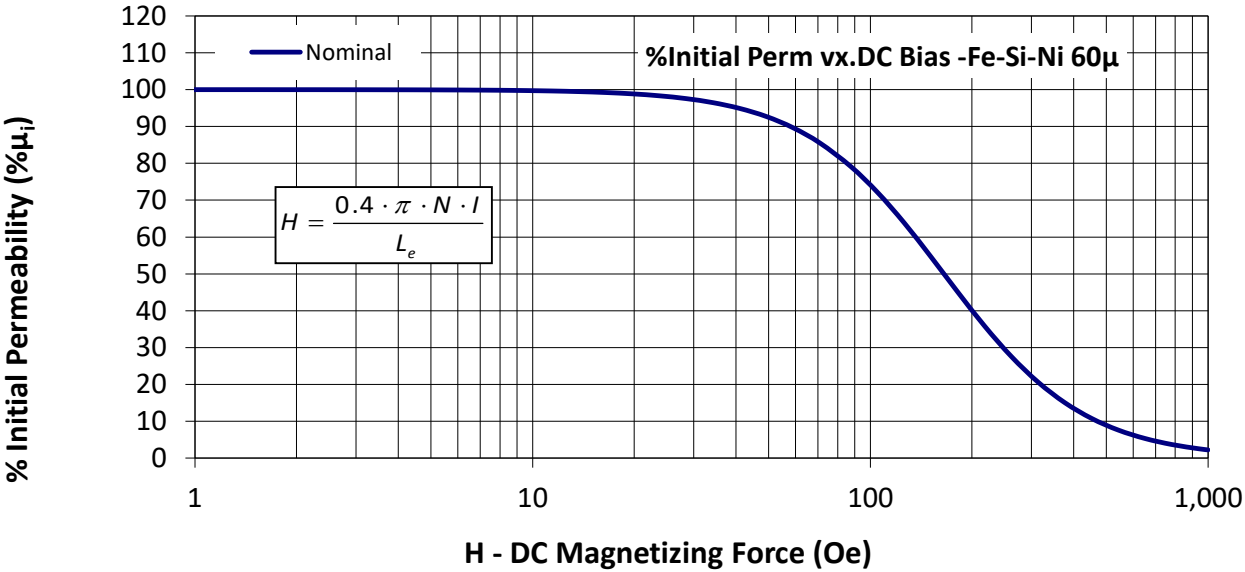
2: CORE MAGNETIC PARAMETERS

|                                |                   |   |       |                 |
|--------------------------------|-------------------|---|-------|-----------------|
| EFFECTIVE MAGNETIC PATH LENGTH | (L <sub>e</sub> ) | : | 11.62 | cm              |
| EFFECTIVE CROSS SEPCION AREA   | (A <sub>e</sub> ) | : | 1.34  | cm <sup>2</sup> |
| EFFECTIVE VOLUME               | (V <sub>e</sub> ) | : | 15.58 | cm <sup>3</sup> |



3: DC BIASED INDUCTANCE

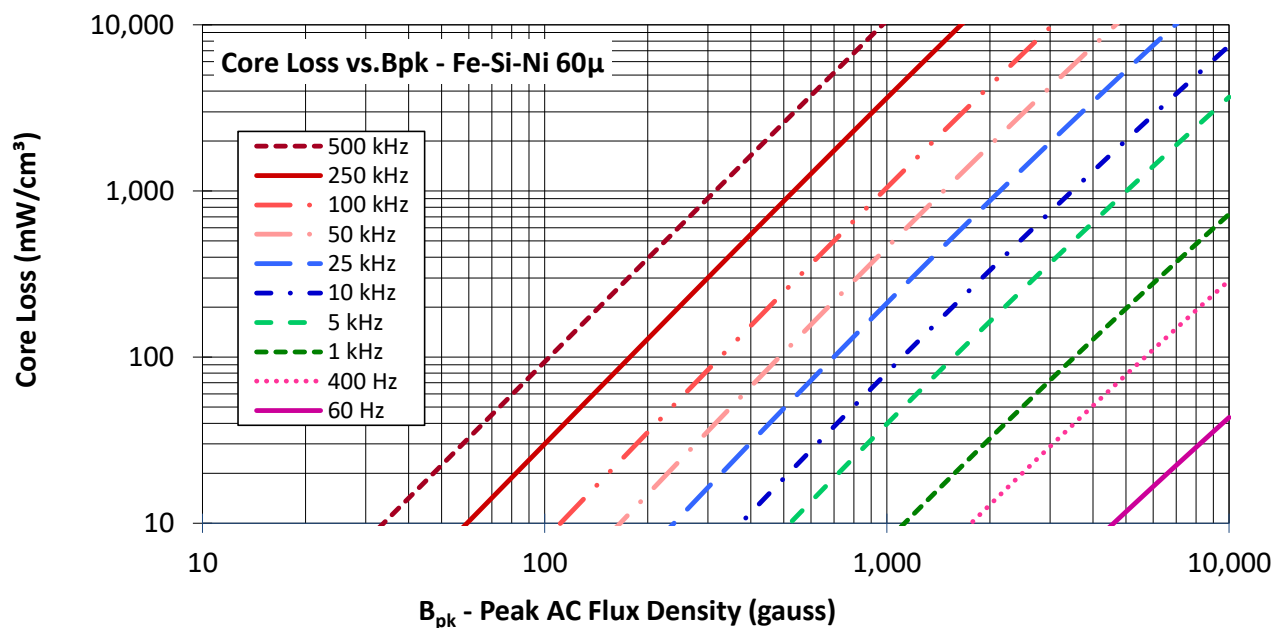
|                             |   |        |    |
|-----------------------------|---|--------|----|
| H <sub>DC</sub>             | : | 100    | Oe |
| PERCENT INITIAL PERM(NOM)   | : | 74.15% |    |
| PERCENT INITIAL PERM(MIN. ) | : | 68.14% |    |



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#### 4: CORE LOSS

$B_{pk}$  : 1000 G  
 FREQUENCY : 50 kHz  
 CORE LOSS (NOMINAL) : 457 mW/cm<sup>3</sup>  
 CORE LOSS (MAXIMUM) : 520 mW/cm<sup>3</sup>



#### 5: INDUCTANCE

$\mu_i$  (REFERENCE) : 60  
 AL VALUE (NOMINAL) : 86 nH/N<sup>2</sup>  
 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 : 125 Pcs/Box

#### 7: MATERIAL DESCRIPTION

Fe, Si, Ni

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