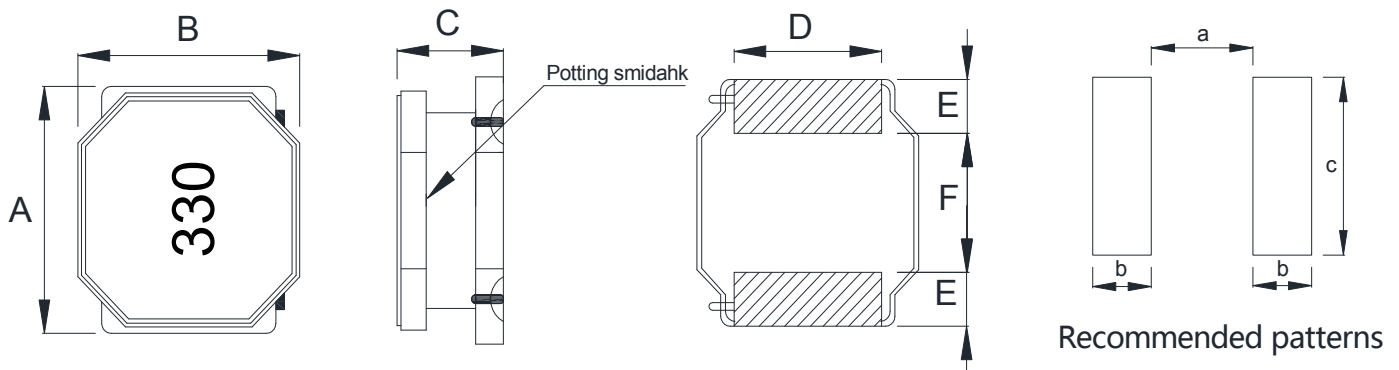


### 1. External Dimensions (Unit:m/m)



| Type   | A       | B       | C      | D Typ. | E Typ. | F Typ. | a Typ. | b Typ. | c Typ. | Q'TY/Reel |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|-----------|
| NR4018 | 4.0±0.2 | 4.0±0.2 | 1.8Max | 3.5    | 1.2    | 1.6    | 1.2    | 1.5    | 3.8    | 3000      |

### 2. Part Number Code

| NR          | 40              | 18            | M              | 330        | AS        |
|-------------|-----------------|---------------|----------------|------------|-----------|
| Series Name | Dimensions: L*W | Dimensions: H | Tolerance ±20% | Inductance | Materials |

### 3. Electrical Characteristics

| Part Number  | Inductance (uH) | Test Conditions | DC Resistance (mΩ) ±30% | DC Current Irms(A) | DC Current Isat(A) |
|--------------|-----------------|-----------------|-------------------------|--------------------|--------------------|
| NR4018M330AS | 33              | 100K Hz/1V      | 510                     | 0.5                | 0.67               |

#### Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C(Including self - temperature rise).
- 3) Irms :DC current(A) that will cause an approximate  $\Delta T$  of 40°C.
- 4) Isat :DC current(A) that will cause  $I_o$  to drop approximately 35% .
- 5) The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions. Circuit design and other cooling provisions all affect the part temperature, part temperature should be verified in the end application.