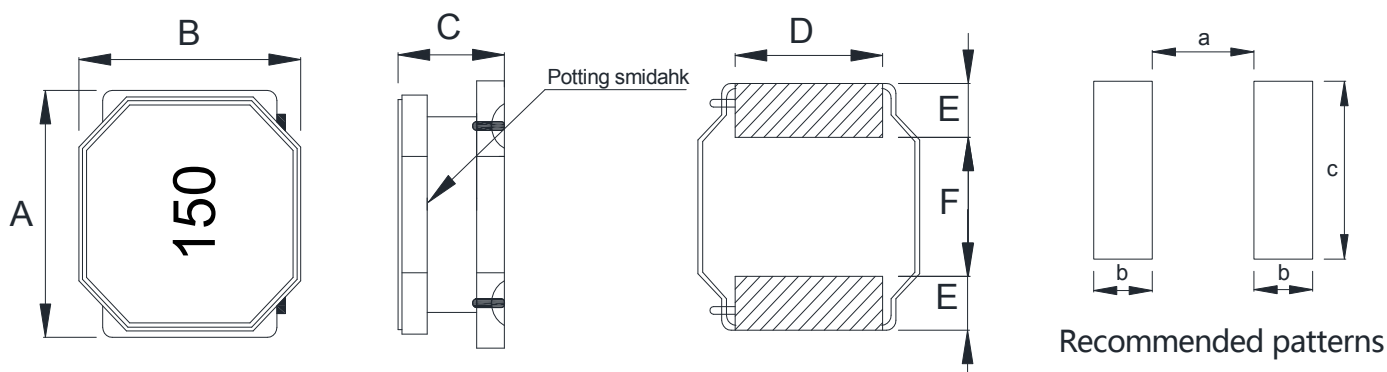


### 1. External Dimensions (Unit:m/m)



| Type   | A       | B       | C      | D<br>Typ. | E<br>Typ. | F<br>Typ. | a<br>Typ. | b<br>Typ. | c<br>Typ. | Q'TY/Reel |
|--------|---------|---------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| NR3015 | 3.0±0.2 | 3.0±0.2 | 1.7Max | 2.55      | 0.9       | 1.2       | 0.9       | 1.2       | 3.1       | 2000      |

### 2. Part Number Code

| NR             | 30                 | 15               | M                 | 150        | AS        |
|----------------|--------------------|------------------|-------------------|------------|-----------|
| Series<br>Name | Dimensions:<br>L*W | Dimensions:<br>H | Tolerance<br>±20% | Inductance | Materials |

### 3. Electrical Characteristics

| Part Number  | Inductance<br>(uH) | Test<br>Conditions | DC Resistance<br>(mΩ) ±30% | DC Current<br>Irms(A) | DC Current<br>Isat(A) |
|--------------|--------------------|--------------------|----------------------------|-----------------------|-----------------------|
| NR3015M150AS | 15                 | 100K Hz/1V         | 337                        | 0.67                  | 0.68                  |

#### 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.