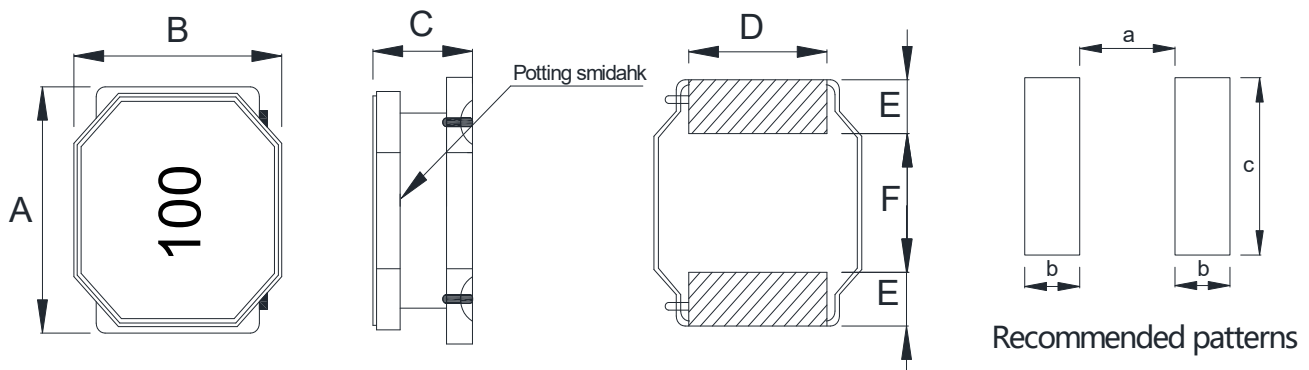


## 1. External Dimensions (Unit:mm)



| 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 |
|---------|---------|---------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ANR6055 | 6.0±0.3 | 6.0±0.3 | 5.7Max | 4.9       | 1.65      | 2.7       | 2.4       | 1.95      | 5.2       | 1000      |

## 2. Part Number Code

| ANR            | 6055               | M                 | 100        | P         |
|----------------|--------------------|-------------------|------------|-----------|
| Series<br>Name | Dimensions:<br>L*W | Tolerance<br>±20% | Inductance | Materials |

## 3. Electrical Characteristics

| Part Number  | Inductance<br>(μH) | Test<br>Conditions | Resistance<br>(mΩ) Max | Heat Rating<br>Current<br>I <sub>rms</sub> (A) | Saturation<br>Current<br>I <sub>sat</sub> (A) |
|--------------|--------------------|--------------------|------------------------|------------------------------------------------|-----------------------------------------------|
| ANR6055M100P | 10                 | 100K Hz/1V         | 54                     | 2.7                                            | 3.3                                           |

### Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Operating temperature range -40°C to +125°C (Including self - temperature rise).
- 4) I<sub>rms</sub> :DC current(A) that will cause an approximate ΔT of 40°C.
- 5) I<sub>sat</sub> :DC current(A) that will cause I<sub>o</sub> to drop approximat 35% .
- 6) 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.