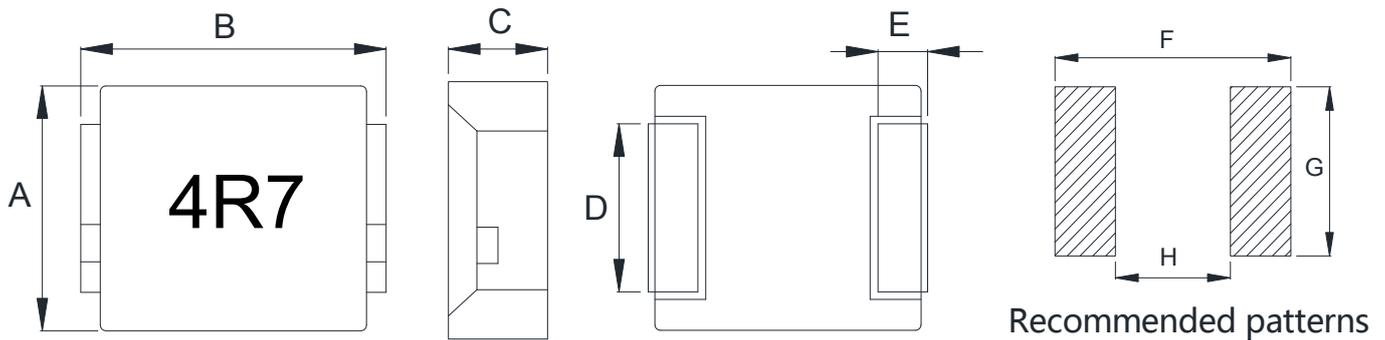


### 1. External Dimensions (Unit:m/m)



| Type      | A       | B      | C      | D Typ. | E Typ. | F Typ. | G Typ. | H Typ. | Q'TY/Reel |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|-----------|
| AAPS04D20 | 4.0±0.3 | 4.8Max | 2.0Max | 1.5    | 0.8    | 5.2    | 2.5    | 2.2    | 3000      |

### 2. Part Number Code

| AAPS        | 04              | D         | 20            | LC                | M              | 4R7        |
|-------------|-----------------|-----------|---------------|-------------------|----------------|------------|
| Series Name | Dimensions: L*W | Materials | Dimensions: H | Internal controls | Tolerance ±20% | Inductance |

### 3. Electrical Characteristics

| Part Number     | Inductance (uH) | Test Conditions | DC Resistance (mΩ) Max. | DC Current Irms(A)Typ. | DC Current Isat(A)Typ. |
|-----------------|-----------------|-----------------|-------------------------|------------------------|------------------------|
| AAPS04D20LCM4R7 | 4.7             | 100K Hz/1V      | 104                     | 2.82                   | 3.03                   |

#### Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Absolute maximum voltage 50V DC.
- 4) Operating temperature range -55°C to +155°C (Including self - temperature rise).
- 5) Irms :DC current(A) that will cause an approximate  $\Delta T$  of 40°C.
- 6) Isat :DC current(A) that will cause  $I_o$  to drop approximately 40%.
- 7) The part temperature (ambient + temp rise) should not exceed 155°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.