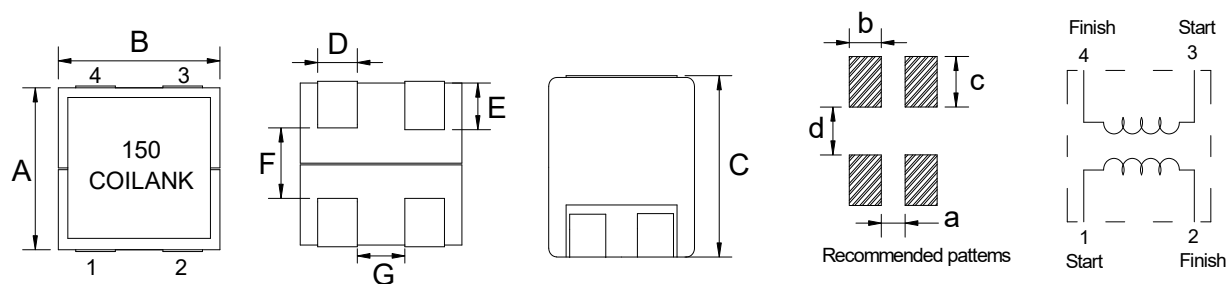


## 1. External Dimensions (Unit:mm)



| Type     | A       | B       | C       | D        | E       | F Ref | G Ref | a Ref | b Ref | c Ref | d Ref | Q'TY/Reel |
|----------|---------|---------|---------|----------|---------|-------|-------|-------|-------|-------|-------|-----------|
| AMV0607W | 7.6±0.3 | 6.9±0.3 | 7.3±0.2 | 1.65±0.2 | 2.0±0.2 | 3.4   | 1.6   | 1.25  | 2     | 3.2   | 3.55  | 600       |

## 2. Part Number Code

|        |            |            |          |           |            |
|--------|------------|------------|----------|-----------|------------|
| AMV    | 06         | 07         | W        | M         | 150        |
| Series | Dimensions | Dimensions | Internal | Tolerance | Inductance |
| Name   | L*W        | H          | controls | 20%       |            |

## 3. Electrical Characteristics

| Part Number  | Inductance (μH) | Test Frequency | DC Resistance (mΩ) Max. | Heat Rating Current Irms(A) Typ. | Saturation Current Isat(A) Typ. |
|--------------|-----------------|----------------|-------------------------|----------------------------------|---------------------------------|
| AMV0607WM150 | 15              | 100KHz/1V      | 90                      | 2.7                              | 6                               |

### Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 4) Operating temperature range -55°C to +125°C, (Including self - temperature rise).
- 5) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 6) Isat :DC current(A) that will cause I<sub>o</sub> to drop approximately 30%.
- 7) 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.