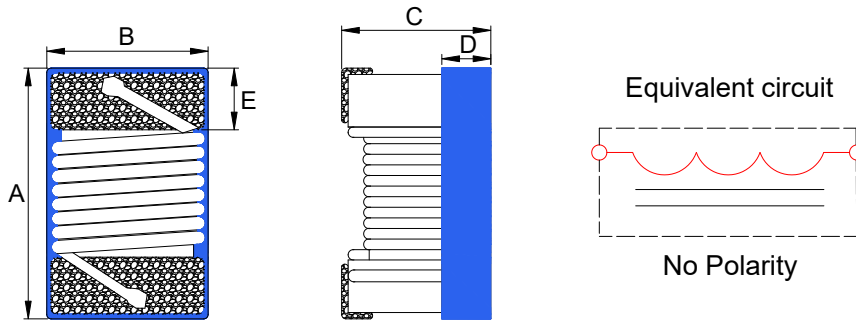


### 1.External Dimensions (Unit:m/m)



| TYPE   | METRIC | A       | B       | C      | D      | E       | Q'Ty / Reel |
|--------|--------|---------|---------|--------|--------|---------|-------------|
| HW1008 | 1008   | 2.92Max | 2.79Max | 2.2Max | 1.2Ref | 0.55Ref | 2000        |

### 2. Part Number Code

HW     1008     J     R22     HSC  
 A         B         C         D         E

A: Series Name                      Wire Wound Inductors  
 B: Dimensions(mm)                1008: 2.92×2.79×2.2  
 C: Tolerance                          J: ±5%  
 D: Inductance                        R22=0.22uH  
 E: Internal controls

### 3. Electrical Characteristics

| Part Number   | Inductance<br>(uH)/MHz | Inductance<br>Tolerance | Q/MHz<br>Min. | SRF(Min.)<br>(MHz) | RDC<br>(Ω)Max. | IDC Max.<br>(mA) |
|---------------|------------------------|-------------------------|---------------|--------------------|----------------|------------------|
| HW1008JR22HCS | 0.22/25                | ±5%                     | 45/100        | 700.0              | 0.84           | 500.0            |

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +85°C,(Including self - temperature rise).
- 3) L.Q.SRF:agilent/HP E4991A+agilent/HP16197A.  
(the electrical specification test by the smallest gap position)or HP16193A.
- 4) Rdc: chroma milliohmmeter 16502, or equivalent.
- 5) Irms :DC current(A) that will cause an approximate  $\Delta T$  of 40°C.