

### Features

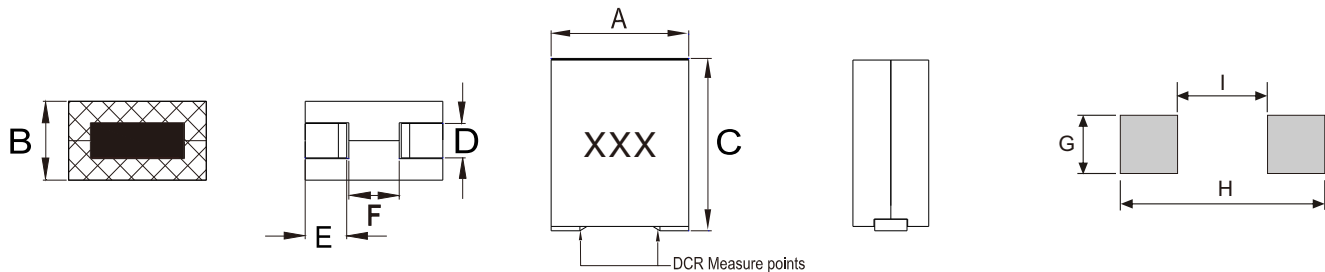
- Soldered construction for low radiation
- High rated current
- Low DCR

### General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1



## ► Dimensions & Configurations (Unit:mm)



| Type      | A        | B       | C        | D          | E         | F       | G   | I   | H    |
|-----------|----------|---------|----------|------------|-----------|---------|-----|-----|------|
| MHE100710 | 10.0 Max | 7.0 Max | 10.0 Max | 2.4 ± 0.25 | 2.5 ± 0.5 | 4.4 Ref | 3.0 | 3.9 | 11.0 |

## ► Electrical Characteristics For MHE100710 Series

| Part Number    | Inductance [nH] | DCR [mΩ]  | Isat@25°C (typ.) [A] | Isat@100°C (typ.) [A] | I <sub>rms</sub> (typ.) [A] |
|----------------|-----------------|-----------|----------------------|-----------------------|-----------------------------|
| MHE100710-R10L | 100 ±15%        | 0.18 ±10% | 117                  | 100                   | 70                          |
| MHE100710-R12L | 120 ±15%        | 0.18 ±10% | 90                   | 80                    | 70                          |
| MHE100710-R15L | 150 ±15%        | 0.18 ±10% | 75+                  | 75                    | 70                          |
| MHE100710-R18L | 180 ±15%        | 0.18 ±10% | 75                   | 65                    | 70                          |
| MHE100710-R22L | 220 ±15%        | 0.18 ±10% | 60                   | 50                    | 70                          |
| MHE100710-R30M | 300 ±20%        | 0.18 ±10% | 43                   | 33                    | 70                          |
| MHE100710-R33M | 330 ±20%        | 0.18 ±10% | 35                   | 30                    | 70                          |
| MHE100710-R47M | 470 ±20%        | 0.18 ±10% | 20                   | 15                    | 70                          |