# Molding SMD Power Inductors

- Low profile and low DCR.
- Magne cally Shielded construc on, low EMI.
- Frequency range up to 5MHz.
- High power e ciency.
- High current carrying capacity, Low core loss.
  Opera ng temperature: -55 to +125 °C

## Dimensions: [mm]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MDPA0440 | 4.1±0.25 | 4.1±0.25 | 4.1 max | 3.4 | ±0.3 | 1.2 | |
| MDPA0550 | 5.5±0.30 | 5.3±0.30 | 5.0 max | 4.3±0.3 | 1.10±0.3 | 2.0 | 4.5 |
| MDPA0660 | | | 6.1 max | 5.3 | 1.40±0.3 | 2.5 | 5.6 |

# Electrical Properties:

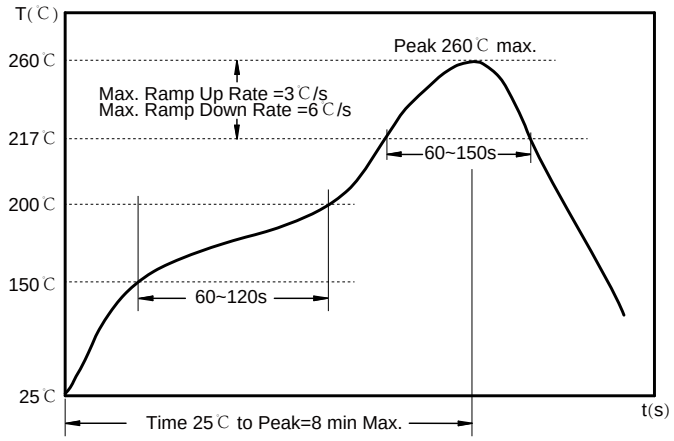
| | | | | | |
|---|---|---|---|---|---|
| MDPA0440-2R2M | 2.20 | ±20% | | | 15.0 |

| | | | | | |
|---|---|---|---|---|---|
| MDPA0550-100M | 10.0 | ±20% | 6.2 | 5.5 | 33.0 |

| | | | | | |
|---|---|---|---|---|---|
| MDPA0660-220M | 22.0 | ±20% | 5.4 | | 52.0 |

Saturation Current will cause L0 to drop approximately 30%.
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40 °C.

## Soldering Reflow:

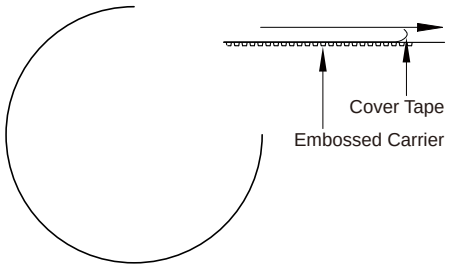



## Packaging Information:

Tape Dimension：[mm]

| Series | D typ. | P0 typ. | P1 typ. | W typ. | E typ. |
|---|---|---|---|---|---|
| | 1.5 | | | 12.0 | 1.75 |
| 0550 | 1.5 | | 12.0 | 16.0 | 1.75 |
| | 1.5 | | 12.0 | 16.0 | 1.75 |

Product Marking:

| Marking | Printing (Inductance) |
|---|---|

Reel Dimension：[mm]