Molding SMD Power Inductors

- Halogen Free & ROHS compliant.
  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±0.4	0.88±0.3	1.2	4.4
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	6.6±0.40	6.4±0.40	6.1 max	5.3±0.4	1.40±0.3	2.5	5.6

Electrical Properties:

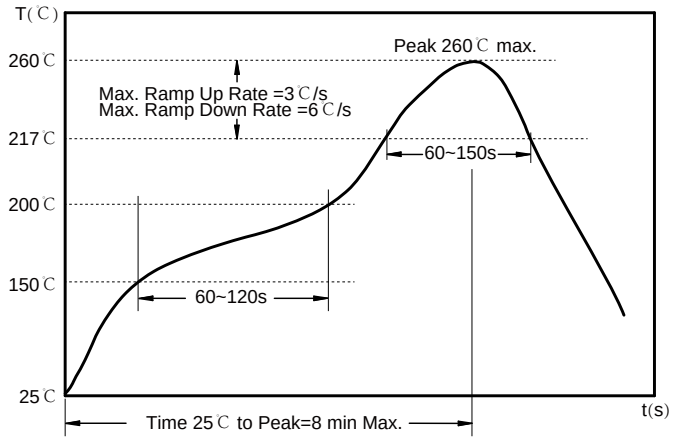
MDPA0440-2R2M	2.20	±20%	4.0	6.0	15.0

MDPA0550-100M	10.0	±20%	6.2	5.5	33.0

MDPA0660-220M	22.0	±20%	5.4	4.6	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.
0440	1.5	4.0	8.0	12.0	1.75
0550	1.5	4.0	12.0	16.0	1.75
0660	1.5	4.0	12.0	16.0	1.75

Product Marking:

Marking	Printing (Inductance)

Reel Dimension：[mm]

