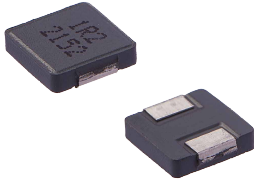


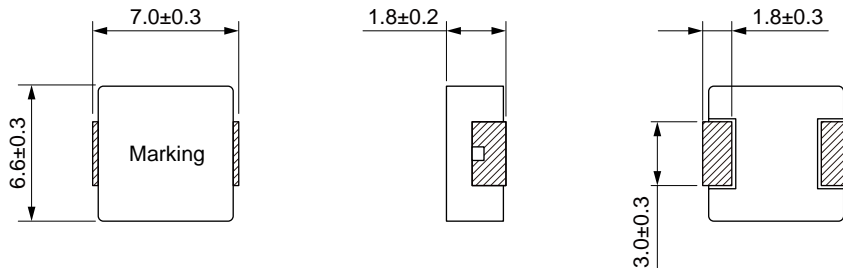
SMD Low Profile High Current Molded Inductor Size 7020



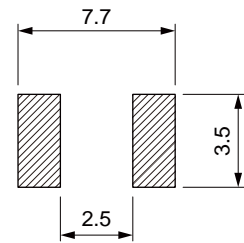
- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 1500pcs

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part Number | Inductance (mH) | Inductance Tolerance (%) | DC Resistance (mΩ) | DC Resistance Tolerance (%) | DC Resistance (mΩ) | DC Resistance (mΩ) |
|-------------|-----------------|--------------------------|--------------------|-----------------------------|--------------------|--------------------|
| MD7020-R10N | 0.10 | ±30% | 21 | 40 | 20 | 24 |
| MD7020-R15N | 0.15 | ±30% | 18 | 39 | 2.3 | 27 |
| MD7020-R22N | 0.22 | ±30% | 15 | | 3.5 | 4.0 |
| MD7020-R33M | 0.33 | ±20% | 14 | 25 | 4.5 | 5.0 |
| MD7020-R47M | 0.47 | ±20% | 11.7 | 20 | 7.1 | 8.3 |
| MD7020-R56M | 0.56 | ±20% | 11 | 18 | 7.9 | 9.3 |
| MD7020-R68M | 0.68 | ±20% | 10.5 | 16 | 8.3 | 10 |
| MD7020-1R0M | 1.00 | ±20% | 8.0 | 14 | 16.5 | 18 |
| MD7020-1R5M | 1.50 | ±20% | 7.0 | 12 | | |
| MD7020-2R2M | 2.20 | ±20% | 6.0 | 10 | | |
| MD7020-3R3M | 3.30 | ±20% | 5.0 | 8.0 | 43 | 48 |
| MD7020-4R7M | 4.70 | ±20% | 4.5 | 7.0 | 53 | 60 |
| MD7020-5R6M | 5.60 | ±20% | 4.0 | 6.0 | 59 | 68 |
| MD7020-6R8M | 6.80 | ±20% | 4.0 | 5.5 | 63 | |
| MD7020-8R2M | 8.20 | ±20% | 3.2 | 5.0 | 101 | 116 |

| | | | | | | |
|-------------|------|------|-----|-----|-----|-----|
| | | | | | | |
| MD7020-100M | 10.0 | ±20% | 28 | 4.0 | 134 | 154 |
| MD7020-150M | 15.0 | ±20% | 21 | 3.3 | 190 | 210 |
| MD7020-220M | 22.0 | ±20% | 1.5 | 2.5 | 236 | 280 |

Operating temperature: -40°C ~ +125°C

Temperature rise current: The actual value of DC current when the temperature rise is T40C

Saturation Current will cause L to drop approximately 30%

Typical Electrical Characteristics:

