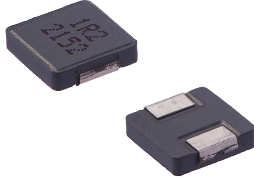


## SMD Low Profile High Current Molded Inductor Size 7018

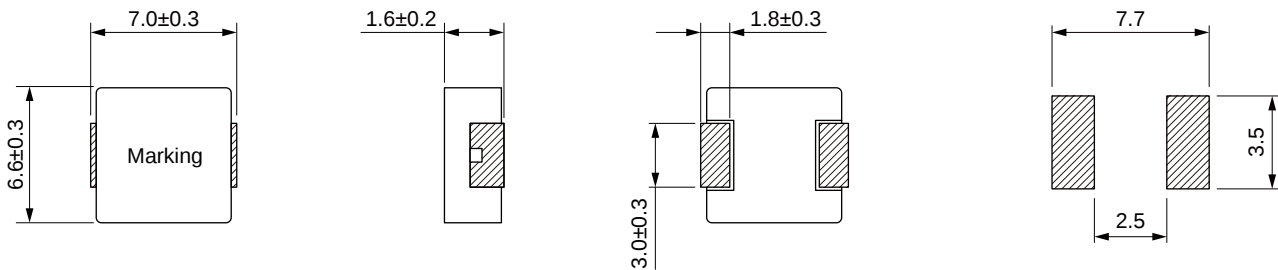


- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 2000pcs

- High current DC/DC converter
- LC filter

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

| Part No     | Inductance<br>@ 100KHz/1V<br>H | Tolerance | Temperature<br>Rise Current<br>Typ.<br>(A) | Saturation<br>current<br>Typ.<br>(A) | DC<br>Resistance<br>Typ. | DC<br>Resistance<br>Max. |
|-------------|--------------------------------|-----------|--------------------------------------------|--------------------------------------|--------------------------|--------------------------|
| MD7018-R10N | 0.10                           | ±30%      | 18                                         | 45                                   | 2.1                      | 2.5                      |
| MD7018-R15N | 0.15                           | ±30%      | 18                                         | 34                                   | 2.2                      | 2.6                      |
| MD7018-R22M | 0.22                           | ±20%      | 16                                         | 26                                   | 2.5                      | 3.0                      |
| MD7018-R33M | 0.33                           | ±20%      | 14                                         | 22                                   | 4.8                      | 5.8                      |
| MD7018-R47M | 0.47                           | ±20%      | 12                                         | 18                                   | 6.4                      | 7.4                      |
| MD7018-R56M | 0.56                           | ±20%      | 11                                         | 17.5                                 | 8.5                      | 10                       |
| MD7018-R68M | 0.68                           | ±20%      | 10                                         | 17                                   | 9.5                      | 11                       |
| MD7018-R82M | 0.82                           | ±20%      | 8.5                                        | 15.5                                 | 11.5                     | 14                       |
| MD7018-1R0M | 1.00                           | ±20%      | 7.0                                        | 14                                   | 14.5                     | 17                       |
| MD7018-1R5M | 1.50                           | ±20%      | 6.0                                        | 13                                   | 21                       | 25.2                     |
| MD7018-2R2M | 2.20                           | ±20%      | 6.0                                        | 11                                   | 31                       | 35                       |
| MD7018-3R3M | 3.30                           | ±20%      | 5.0                                        | 9.0                                  | 40                       | 46                       |
| MD7018-4R7M | 4.70                           | ±20%      | 4.0                                        | 7.0                                  | 68                       | 76                       |
| MD7018-5R6M | 5.60                           | ±20%      | 3.5                                        | 6.0                                  | 78                       | 86                       |
| MD7018-6R8M | 6.80                           | ±20%      | 3.0                                        | 5.5                                  |                          | 104                      |
| MD7018-8R2M | 8.20                           | ±20%      | 2.6                                        | 4.5                                  | 123                      | 140                      |



Operating temperature : -40℃

## Typical Electrical Characteristics:

