

# DFE252012F-6R8M#

"#" indicates a package specification code.



< List of part numbers with package codes >  
DFE252012F-6R8M=P2

## Shape



## Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%.  
Rated current (Itemp) is specified when temperature of the inductor is raised 40 °C by DC current.

## References

| Packaging code | Specifications          | Minimum quantity |
|----------------|-------------------------|------------------|
| =P2            | φ 180mm Embossed taping | 3000             |

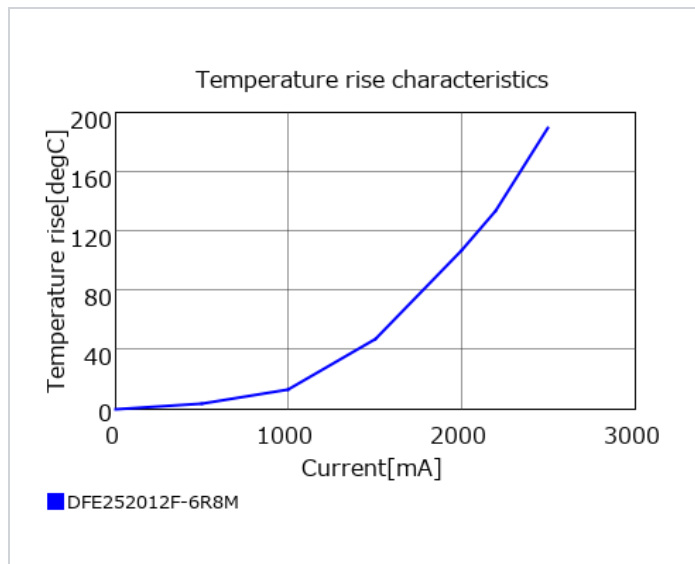
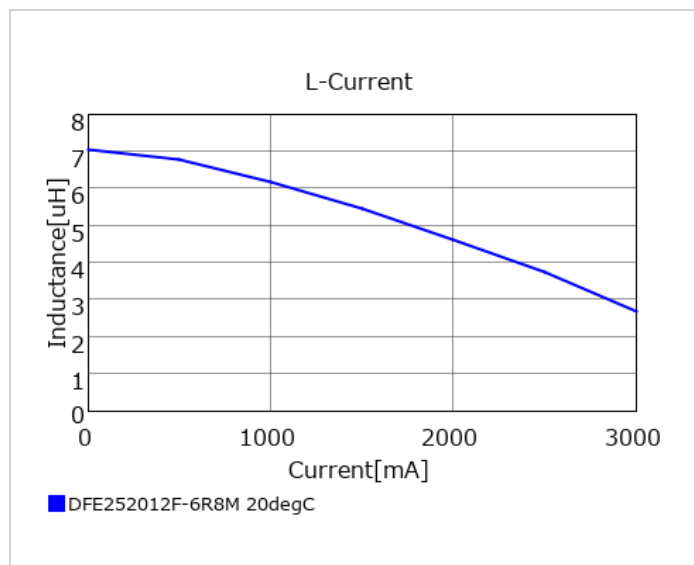
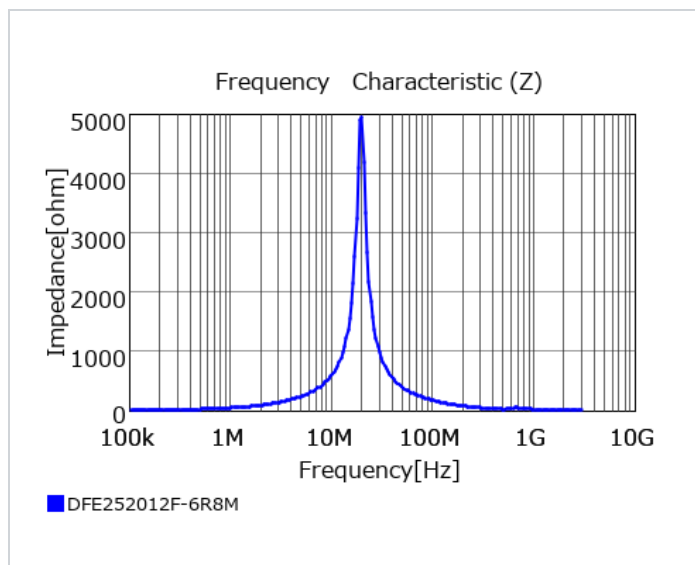
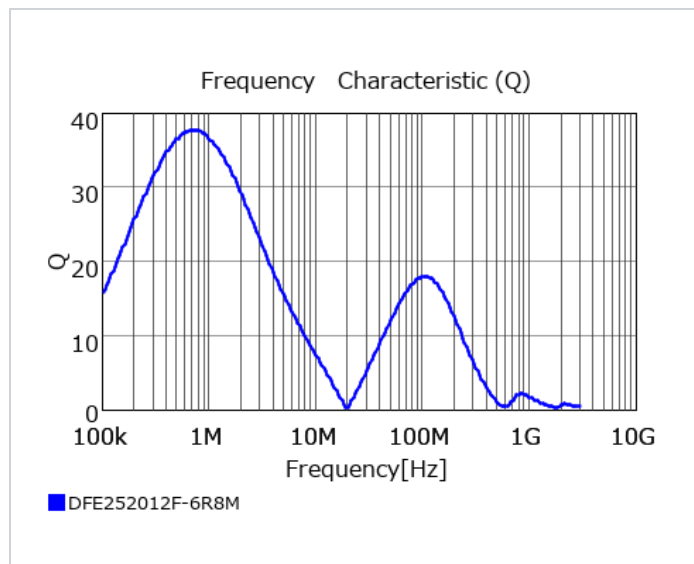
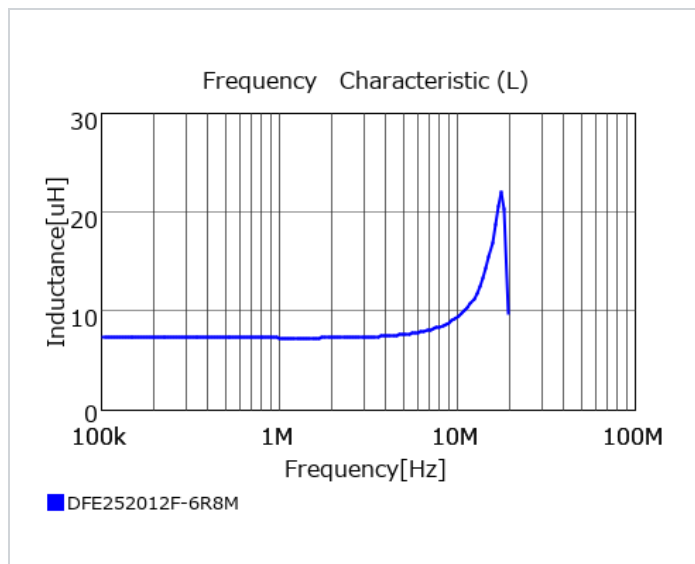
| Mass (Typ.) |         |
|-------------|---------|
| 1 piece     | 0.0331g |

## Specifications

|                                                                 |                |
|-----------------------------------------------------------------|----------------|
| Inductance                                                      | 6.8μH ±20%     |
| Inductance test frequency                                       | 1MHz           |
| Rated current (Isat) (Based on Inductance change)               | 1700mA         |
| Rated current (Itemp) (Based on Temperature rise)               | 1200mA         |
| Max. of DC resistance                                           | 0.330Ω         |
| Operating temperature range (Self-temperature rise is included) | -40°C to 125°C |
| Class of magnetic shield                                        | Metal Alloy    |
| Absolute maximum voltage                                        | 20V DC         |
| Series                                                          | DFE252012F     |

### Attention

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  - 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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