

Note: This datasheet may be out of date.

Please download the latest datasheet of DFE252010F-8R2M# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=DFE252010F-8R2M%23

"#"at the end indicates the package specification code.









(Metal)



# < List of part numbers with package codes > DFE252010F-8R2M=P2



### **Applications**

| Unsuitable   | Please be sure to read and comply with     |
|--------------|--|
| Applications | these "Precautions for use."               |
|              | Consumer equipment,Medical                 |
|              | equipment [GHTF A/B/C] except for          |
|              | implant & surgery & auto injector,         |
|              | Industrial equipment except for            |
|              | transportation & facility & energy         |
|              | equipment                                  |
| Specific     | Please refer to Our Website and            |
| Applications | specifications, etc. for information about |
|              | the performance, functions, quality,       |
|              | management, and safety required for        |
|              | the above applications, and use            |
|              | Products after confirming the              |
|              | performance and reliability of the actual  |
|              | Product.                                   |
| Recommended  | 0  |
| Applications | Consumer equipment                         |
|              |  |



#### **Notices**

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

|           | Specifications   | Standard |
|-----------|------------------|----------|
| Packaging |                  | Packing  |
|           |                  | Quantity |
| =P2       | 180Embossed Tape | 3000     |

| Mass (typ.) |         |         |
|-------------|---------|---------|
|             | 1 piece | 0.0276g |



### Appearance & Shape







(in mm)

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### **Specifications**

| L size  | 2.5±0.2mm              |
|---|------------------------|
| W size  | 2.0±0.2mm              |
| T size  | 1.0mm                  |
| Size code inch (mm)   | 1008 (2520)            |
| Inductance  | 8.2µH±20%              |
| Inductance Test Frequency                                       | 1MHz                   |
| Rated current (Isat) (Based on Inductance change)               | 1350mA                 |
| Rated current (Itemp) (Based on Temperature rise)               | 1000mA                 |
| Max. of DC resistance   | 0.52Ω                  |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 125°C         |
| Class of magnetic shield  | Shielded (Metal Alloy) |
| Absolute maximum voltage  | 20Vdc                  |
| Brand   | Murata                 |
| Series  | DFE252010F             |

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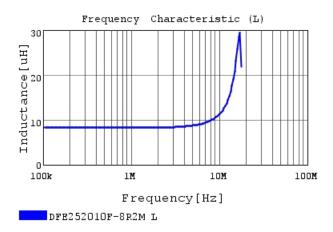
http://www.murata.com/en-gb/products/productdetail?partno=DFE252010F-8R2M%23

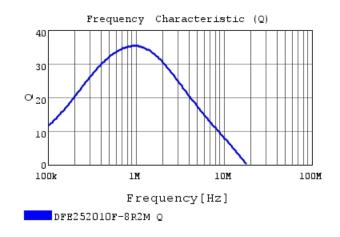
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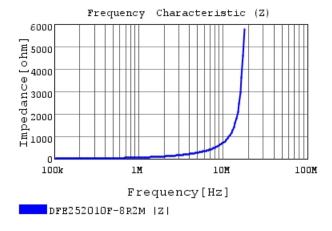


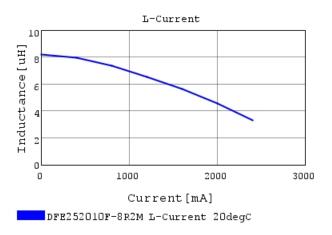
### Characteristic Data

The charts below may show another part number which shares its characteristics.









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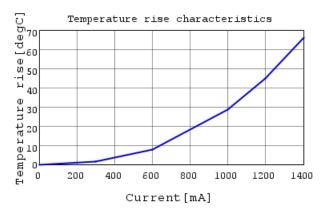


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DFE252010F-8R2M Temp. rise

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