

DEM8045Z-8R2M#

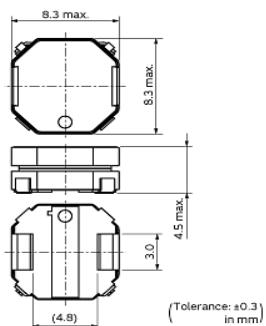
#" indicates a package specification code.



< List of part numbers with package codes >

DEM8045Z-8R2M=P3

Shape



| | |
|------------------------|-------------|
| L size | 8.0 ±0.3mm |
| W size | 8.0 ±0.3mm |
| T size | 4.5 mm |
| Size code in inch (mm) | 3131 (8080) |

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 |
|----------------|------------------------|------------------|
| =P3 | φ330mm Embossed taping | 1000 |

| Mass (Typ.) | |
|-------------|--------|
| 1 piece | 1.167g |

Specifications

| | |
|---|----------------|
| Inductance | 8.2µH ±20% |
| Inductance test frequency | 0.1MHz |
| Rated current (Isat) (Based on Inductance change) | 4800mA |
| Rated current (Itemp) (Based on Temperature rise) | 4500mA |
| Max. of DC resistance | 0.0336Ω |
| Avg. of DC resistance | 0.0280Ω±20% |
| Operating temperature range (Self-temperature rise is included) | -40°C to 105°C |
| Class of magnetic shield | Ferrite Core |
| Series | DEM8045C_Z |

Attention

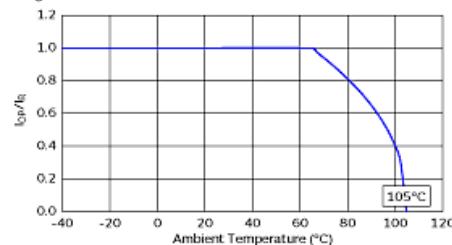
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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

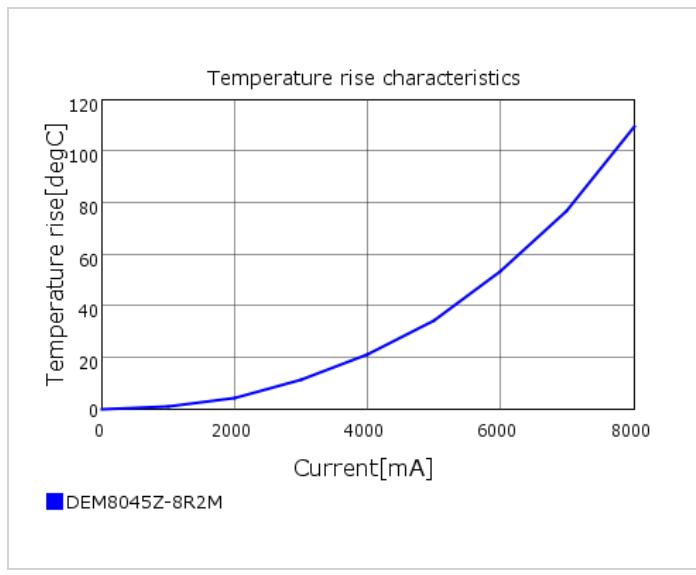
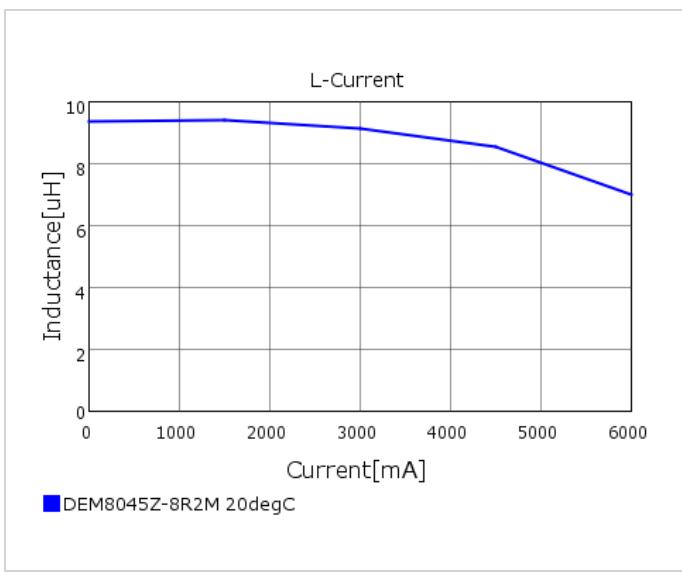
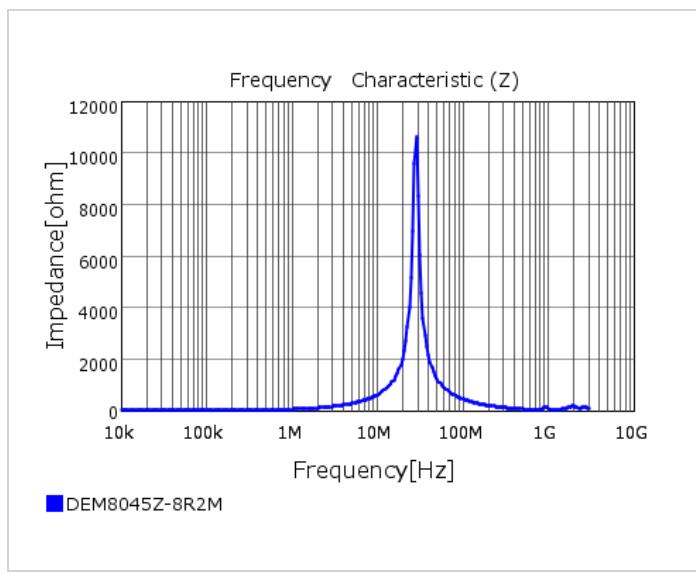
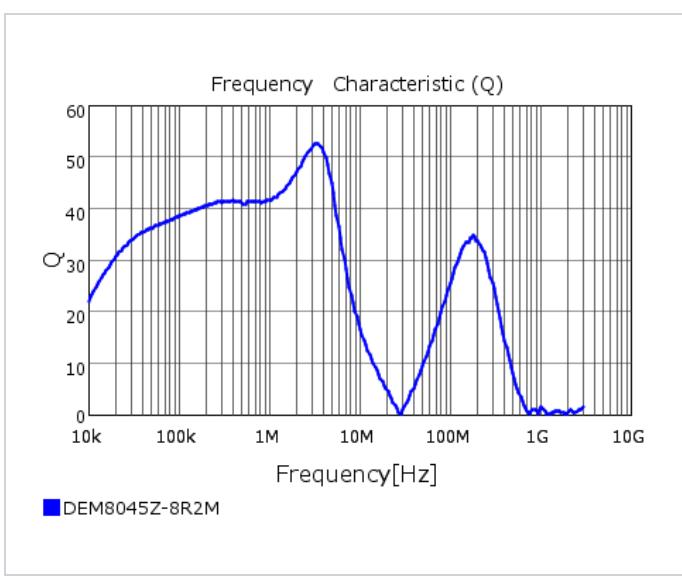
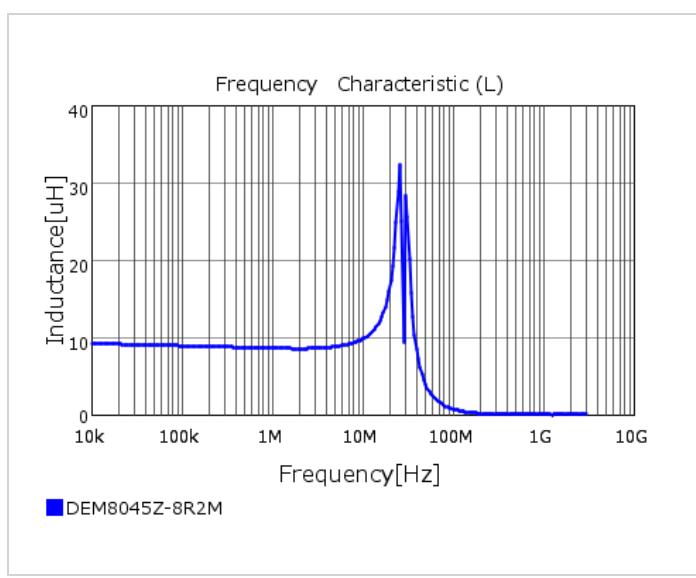
Max. current (DC, AC) as function of ambient temperature (derating curve).

Derating of Rated Current



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