

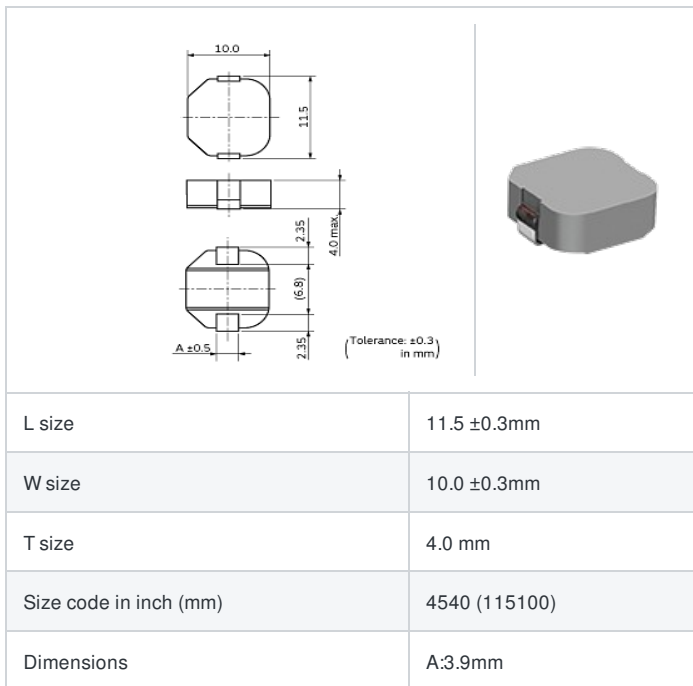
# FCUL1040-H-R18M#

# indicates a package specification code.



< List of part numbers with package codes >  
FCUL1040-H-R18M=P3

## Shape



## Notes

Rated current (Isat) is specified when the decrease of the initial inductance value at 30%. (The ambient reference temperature is 20°C.)  
Rated current (Itemp) is specified when temperature of inductor the is raised 40°C by DC current. (The ambient reference temperature is 20°C.)

## References

| Packaging code | Specifications         | Minimum quantity |
|----------------|------------------------|------------------|
| =P3            | φ330mm Embossed taping | 500              |

| Mass (Typ.) |       |
|-------------|-------|
| 1 piece     | 2.08g |

## Specifications

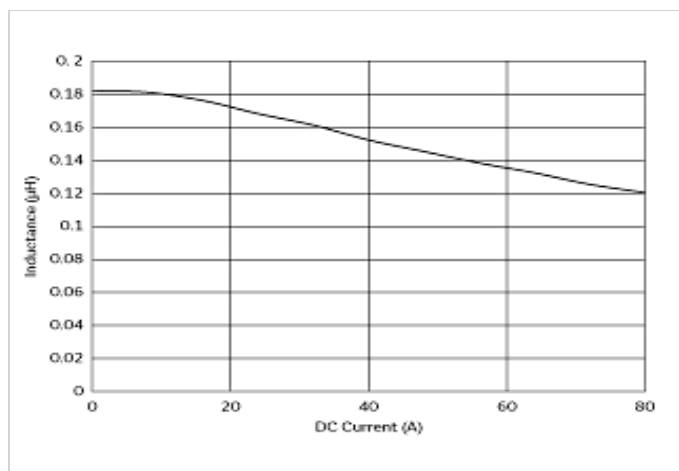
|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Inductance                                                      | 0.18μH $\pm 20\%$  |
| Inductance test frequency                                       | 0.1MHz             |
| Rated current (Isat) (Based on Inductance change)               | 53000mA            |
| Rated current (Itemp) (Based on Temperature rise)               | 38000mA            |
| Max. of DC resistance                                           | 0.0005778Ω         |
| Avg. of DC resistance                                           | 0.00054Ω $\pm 7\%$ |
| Operating temperature range (Self-temperature rise is included) | -40~125°C          |
| Class of magnetic shield                                        | Metal Alloy        |
| Absolute maximum voltage                                        | 30V DC             |
| Series                                                          | FCUL1040           |

### Attention

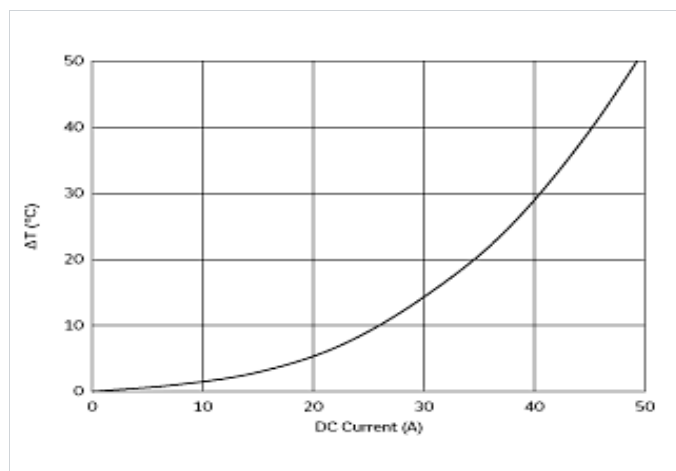
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  - 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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