

# FDUE0640-H-R42M#

"#" indicates a package specification code.



< List of part numbers with package codes >  
FDUE0640-H-R42M=P3

## Shape

|                        |             |
|------------------------|-------------|
| L size                 | 7.6 ±0.3mm  |
| W size                 | 6.7 ±0.3mm  |
| T size                 | 4.0 mm      |
| Size code in inch (mm) | 3026 (7667) |

## Notes

Rated current (I<sub>sat</sub>) is specified when the decrease of the initial inductance value at 20%. (The ambient reference temperature is 20°C.)  
Rated current (I<sub>temp</sub>) 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 | 1000             |

| Mass (Typ.) |       |
|-------------|-------|
| 1 piece     | 1.04g |

## Specifications

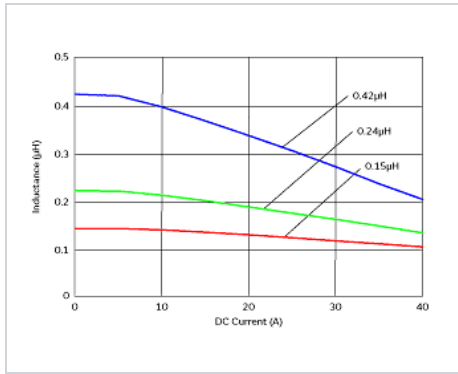
|   |             |
|---|-------------|
| Inductance  | 0.42μH ±20% |
| Inductance test frequency                                       | 0.1MHz      |
| Rated current (I <sub>sat</sub> ) (Based on Inductance change)  | 15000mA     |
| Rated current (I <sub>temp</sub> ) (Based on Temperature rise)  | 22000mA     |
| Max. of DC resistance   | 0.00158Ω    |
| Avg. of DC resistance   | 0.00148Ω±7% |
| Operating temperature range (Self-temperature rise is included) | -20~100°C   |
| Class of magnetic shield  | Metal Alloy |
| Absolute maximum voltage  | 30V DC      |
| Series  | FDUE0640    |

### Attention

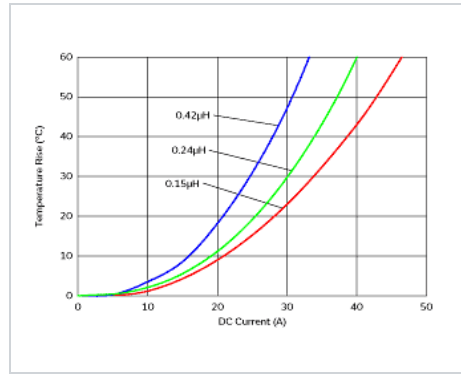
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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