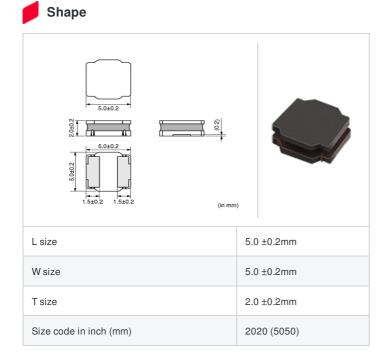
muRata Inductor Data Sheet

LQH5BPB150MT0# "#" indicates a package specification code.



< List of part numbers with package codes > LQH5BPB150MT0L , LQH5BPB150MT0K



### Notes

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value.

When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40 °C max. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	500
К	φ330mm Embossed taping	3000

	Mass (Typ.)	
1 piece		0.22g

### Specifications

Inductance	15μH ±20%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	1.6A
Rated current (Itemp) (Based on Temperature rise)	1.20A(Ambient temp.85°C) 0.62A(Ambient temp.105°C)
Max. of DC resistance	0.2244Ω
Avg. of DC resistance	0.187Ω±20%
Self resonance frequency (min.)	18MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH5BPB_T0
	1 of 2

#### 🔔 Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

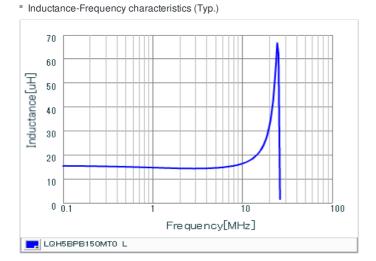
without advance notice. Please check with our sales representatives or product engineers before ordering.

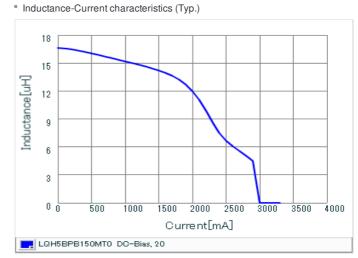
2. This datasheet has only typical specifications because there is no space for detailed specifications

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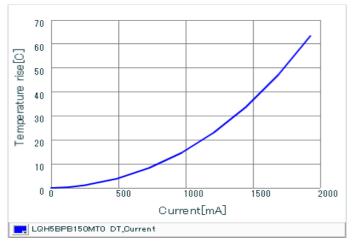


# Chart of characteristic data (The charts below may show another part number which shares its characteristics.)





Temperature rise characteristics (Typ.)



#### 2 of 2

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