SMD Power Inductors / ATNR4030M Series

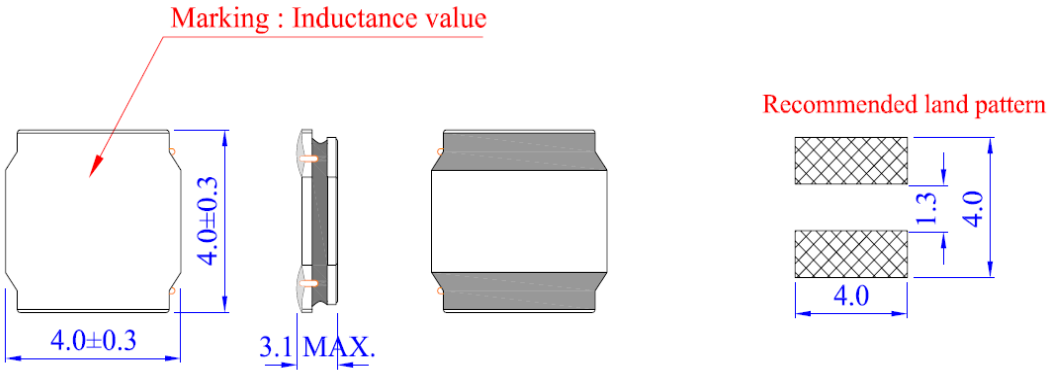
Features

- Small and Low profile inductor.
- It corresponds to High current.
- Simple and original magnetic shield structure.
- Durable structure against dropping impact.

Applications

- LCD displays.
- STB.
- LCD Moniter / TV.
- Smart meter.
- Tablet PC and other Protable devices.
- DC/DC converters.

● Shape & Dimensions



◆ ATNR4030M Series Specification：

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.	Temp. Rise current (A) Max.
ATNR4030M1R0□T	1.0	Y	100	30	3.00	3.00
ATNR4030M2R2□T	2.2	Y	100	39	4.90	2.95
ATNR4030M3R3□T	3.3	Y	100	52	3.30	2.40
ATNR4030M4R7□T	4.7	Y	100	78	2.90	2.00
ATNR4030M100□T	10	M,N	100	140	1.85	1.50
ATNR4030M150□T	15	M,N	100	250	1.85	1.10
ATNR4030M220□T	22	M,N	100	293	1.30	1.00
ATNR4030M330□T	33	M,N	100	330±30%	1.00	0.80
ATNR4030M470□T	47	M,N	100	845	0.95(≦35%)	0.72
ATNR4030M101□T	100	M,N	100	1650	0.40	0.40

NOTE：

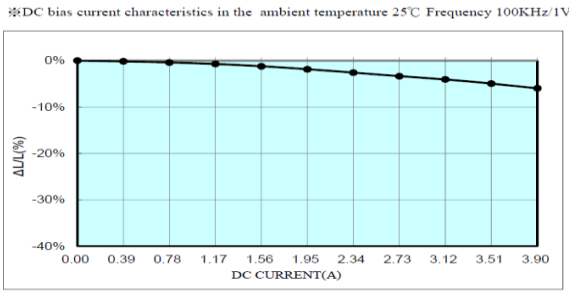
* The operating temperature range is -40℃ to +125℃(Including self-temperature rise).

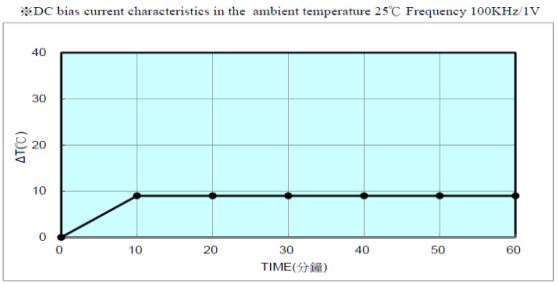
* □ Tolerance M：±20%，N：±25%，Y：±30%

*Isat:For Inductance drop 30% from its value without current.

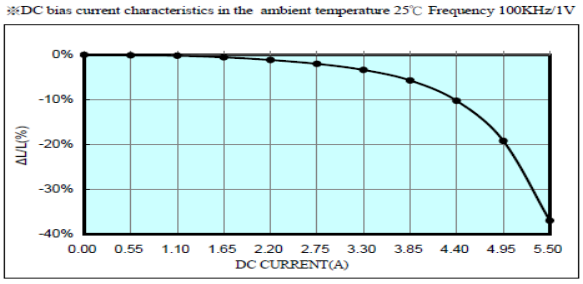
*Irms:The value of D.C current when the temperature rise is △T≦40℃(Ta=25℃).

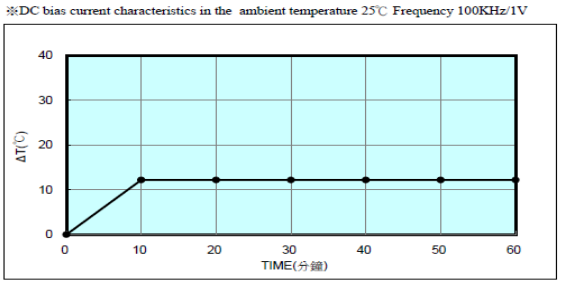
ATNR4030M1R0YT





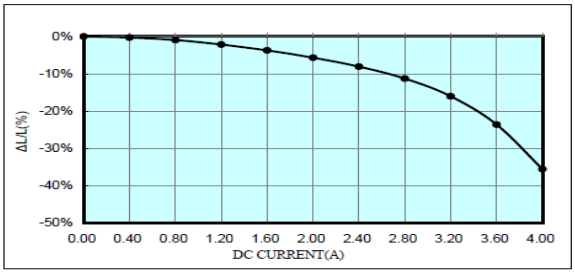
ATNR4030M2R2YT



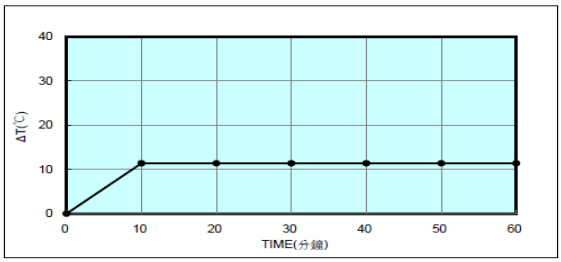


ATNR4030M3R3YT

※DC bias current characteristics in the ambient temperature 25℃ Frequency 100KHz/1V



※DC bias current characteristics in the ambient temperature 25℃ Frequency 100KHz/1V



ATNR4030M4R7YT

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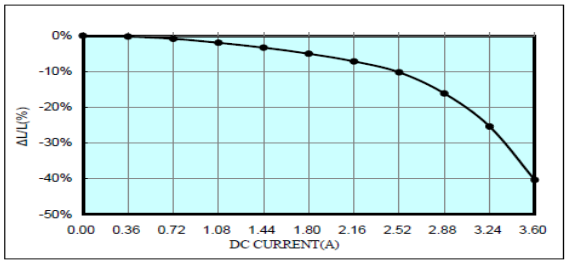
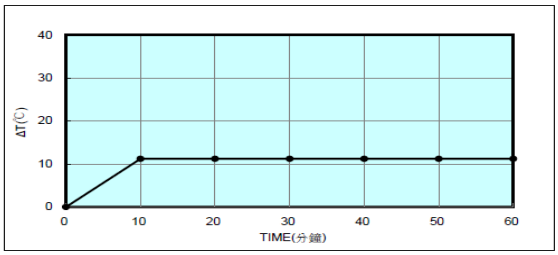


※DC bias current characteristics in the ambient temperature 25℃ Frequency 100KHz/1V



ATNR4030M100MT

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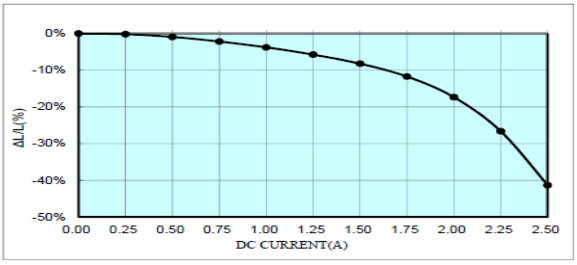
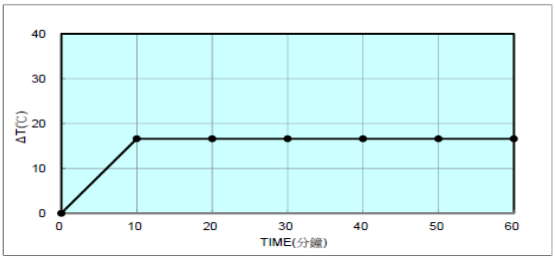


※DC bias current characteristics in the ambient temperature 25℃ Frequency 100KHz/1V



ATNR4030M150MT

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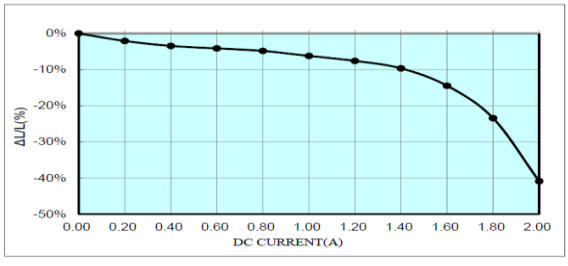
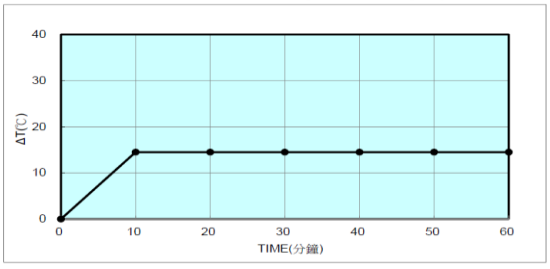
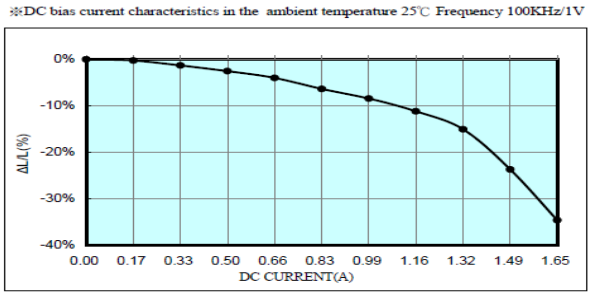
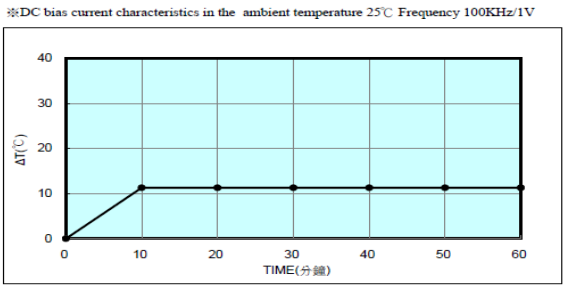


※DC bias current characteristics in the ambient temperature 25℃ Frequency 100KHz/1V

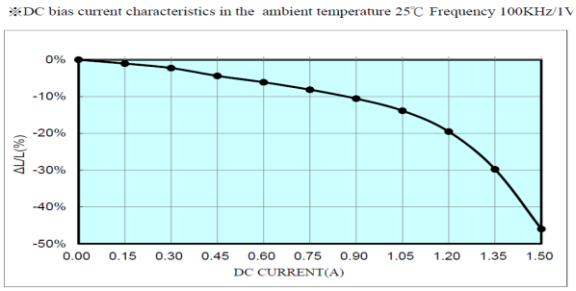


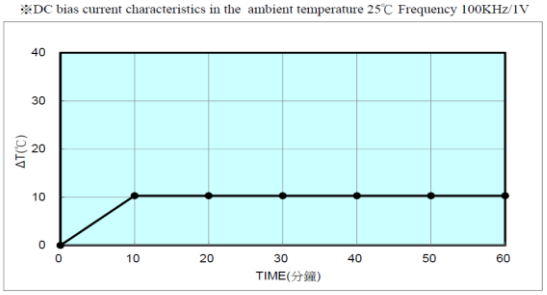
ATNR4030M220MT



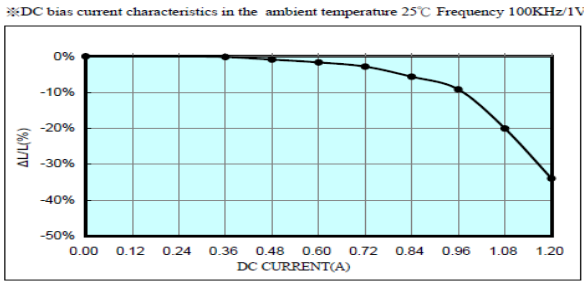


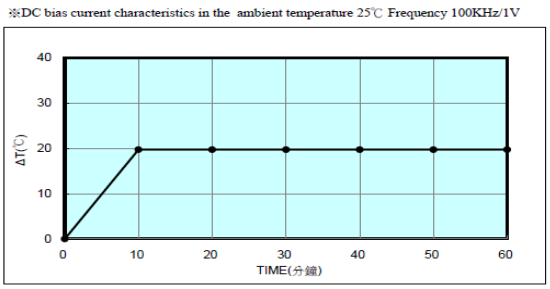
ATNR4030M330MT





ATNR4030M470MT





ATNR4030M101MT