

High Current Power Inductors / AMPI0630ED Series

Features

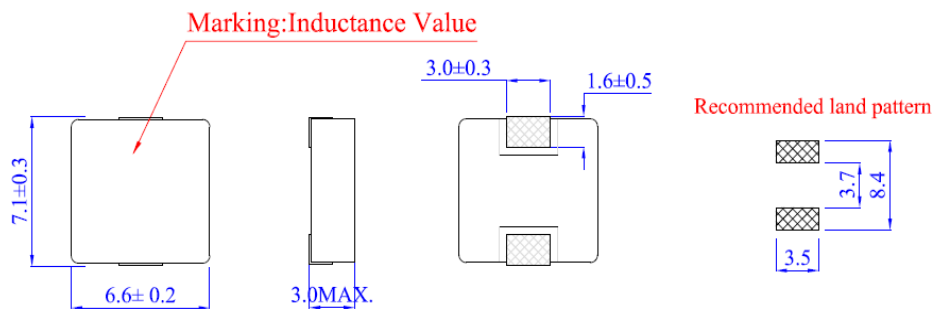
- High performance realized by metal core.
- Compact and low profile with max.3.0mm.
- Low loss realized with low DCR and high Isat.
- Applicable at high frequency up to 750 KHz.
- RoHS compliant.



Applications

- DC/DC converter for CPU in Notebook PC.
- Thin type on-board power supply module for exchange VRM for server.

● Shape & Dimensions



◆ AMPI0630ED Series Specification :

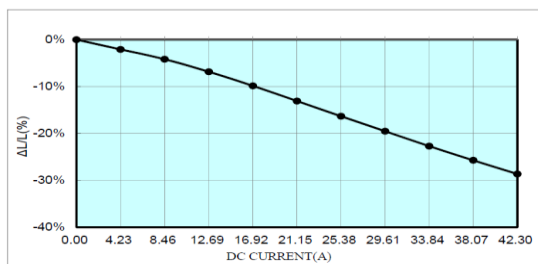
Part Number	Inductance (uH)	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Typ.	Temp. Rise current (A) Typ.
AMPI0630EDR22□T	0.22	100	3.0	42.0	24.0
AMPI0630EDR24□T	0.24	100	3.1	31.0	23.0
AMPI0630EDR33□T	0.33	100	3.5	30.0	21.0
AMPI0630EDR47□T	0.47	100	4.1	20.0	18.0
AMPI0630EDR56□T	0.56	100	4.5	18.0	16.5
AMPI0630EDR68□T	0.68	100	5.3	17.0	16.0
AMPI0630EDR82□T	0.82	100	6.0	17.0	14.0
AMPI0630ED1R0□T	1.0	100	7.4	15.0	12.0
AMPI0630ED1R5□T	1.5	100	12.1	14.0	10.0
AMPI0630ED2R2□T	2.2	100	15.0	10.0	8.0
AMPI0630ED3R3□T	3.3	100	22.0	9.5	6.5
AMPI0630ED4R7□T	4.7	100	33.0	6.5	5.5
AMPI0630ED6R8□T	6.8	100	50.0	6.0	4.5
AMPI0630ED8R2□T	8.2	100	60.0	6.0	4.2
AMPI0630ED100□T	10	100	68.0	5.5	4.0
AMPI0630ED150□T	15	100	115.0	4.5	3.0
AMPI0630ED220□T	22	100	200.0	3.0	2.3
AMPI0630ED330□T	33	100	310.0	3.0	2.0

NOTE :

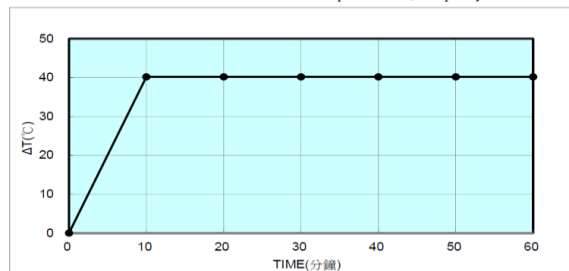
- * The operating temperature range is -40°C to +125°C(Including self-temperature rise).
- * □ Tolerance M : ±20%
- * Isat:For Inductance drop approximately 30% from its value without current.
- * Irms:Typical Heat Rating D.C current would cause an approximately ΔT of 40°C.

AMPI0630EDR22MT

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

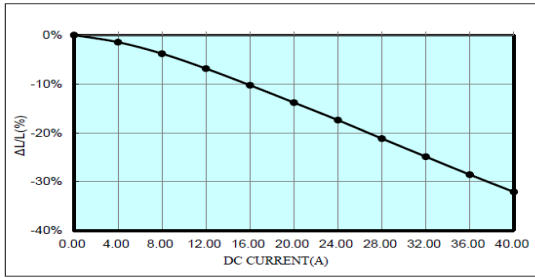


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

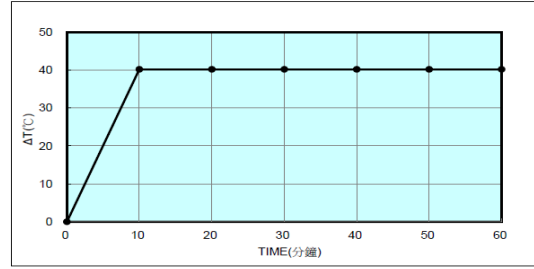


AMPI0630EDR24MT

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

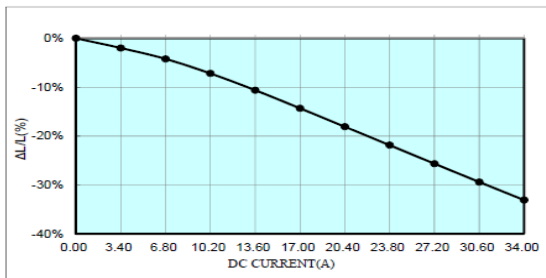


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

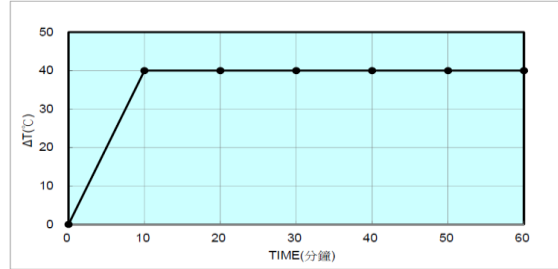


AMPI0630EDR33MT

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

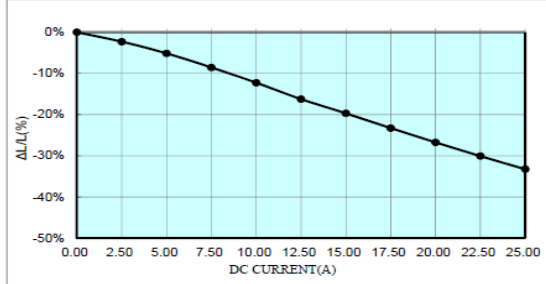


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

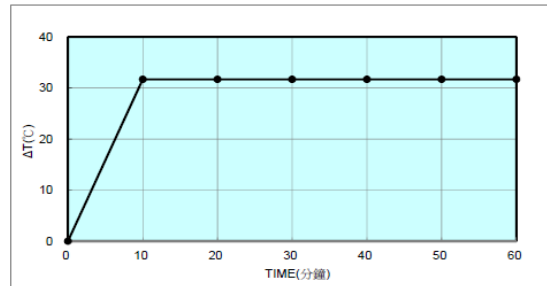


AMPI0630EDR47MT

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

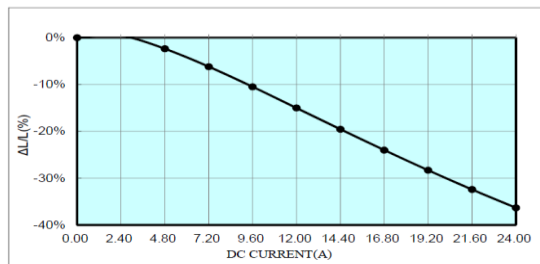


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

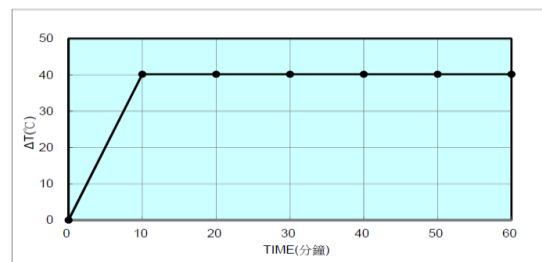


AMPI0630EDR56MT

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

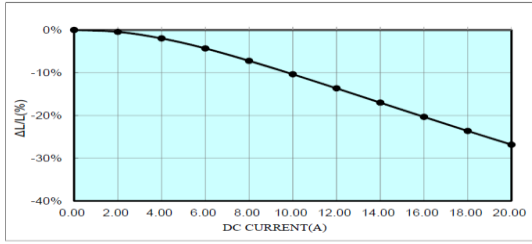


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

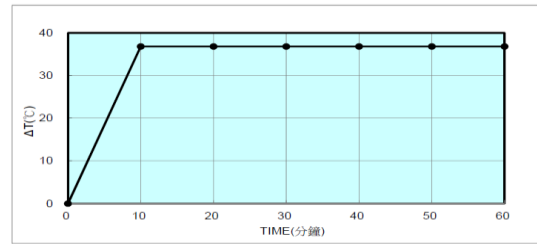


AMPI0630EDR68MT

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

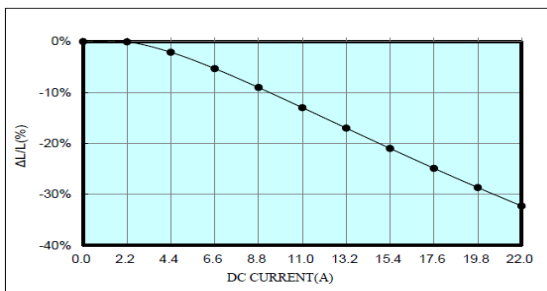


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

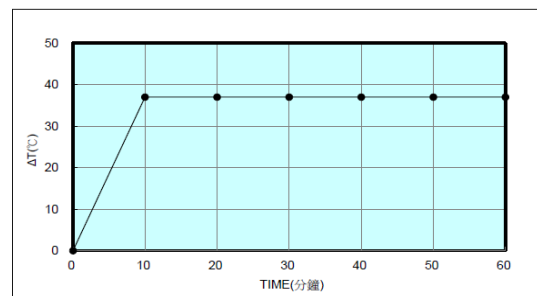


AMPI0630EDR82MT

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

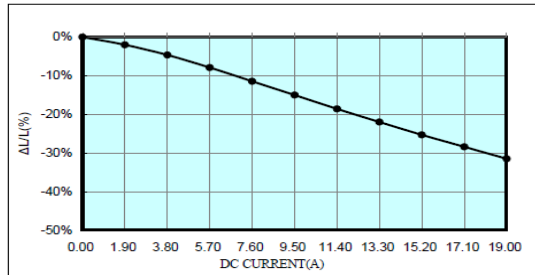


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

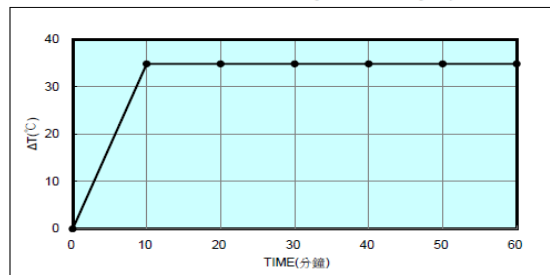


AMPI0630ED1R0MT

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

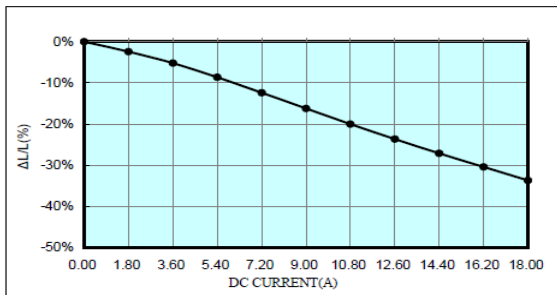


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

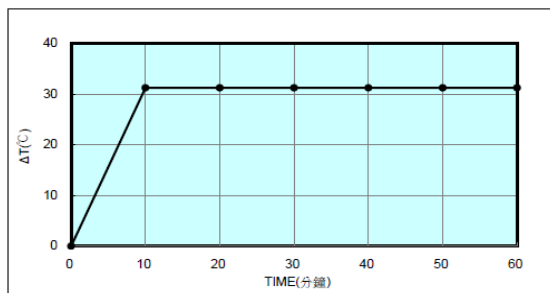


AMPI0630ED1R5MT

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

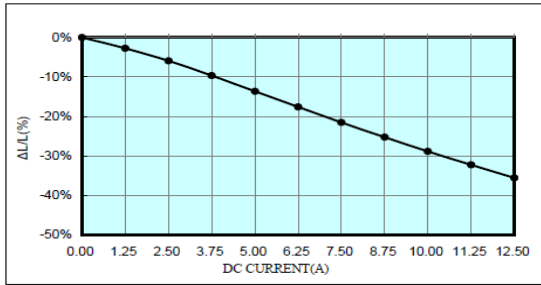


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

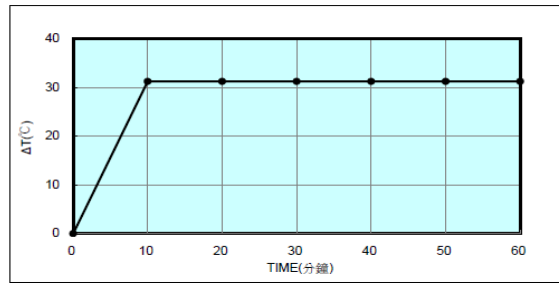


AMPI0630ED2R2MT

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

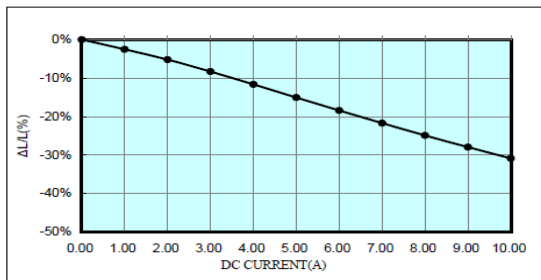


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

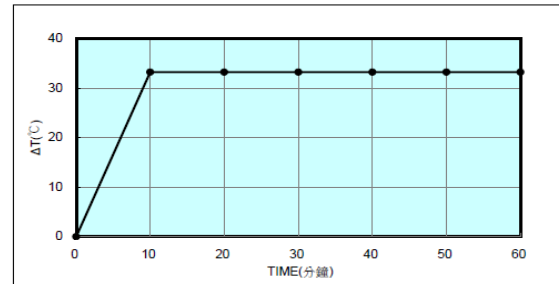


AMPI0630ED3R3MT

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

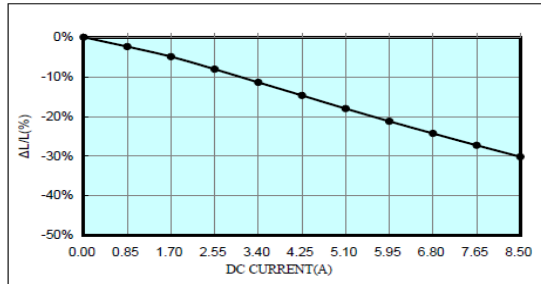


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

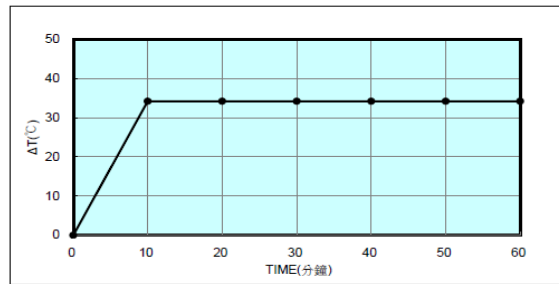


AMPI0630ED4R7MT

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

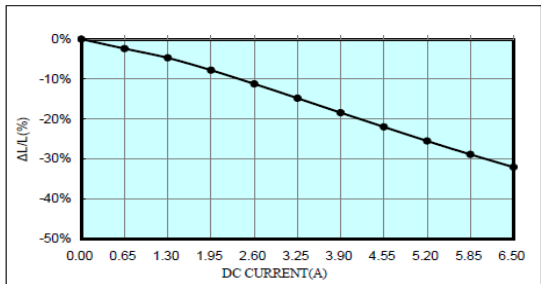


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

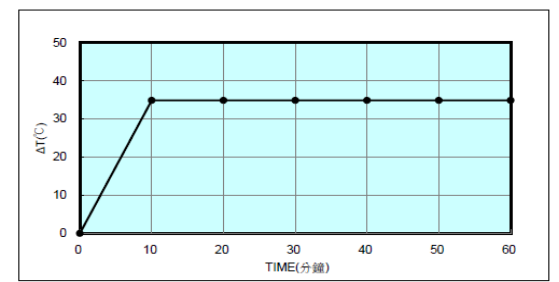


AMPI0630ED6R8MT

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

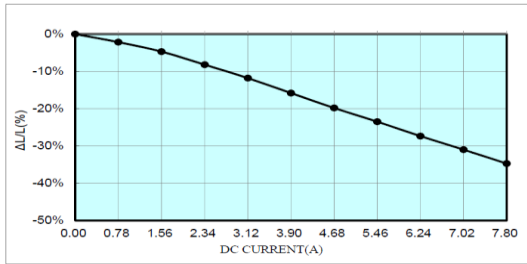


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

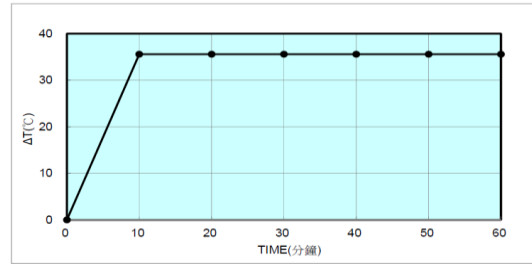


AMPI0630ED8R2MT

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

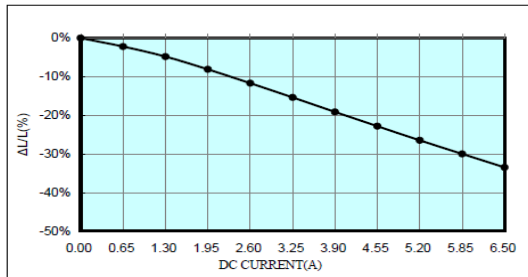


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

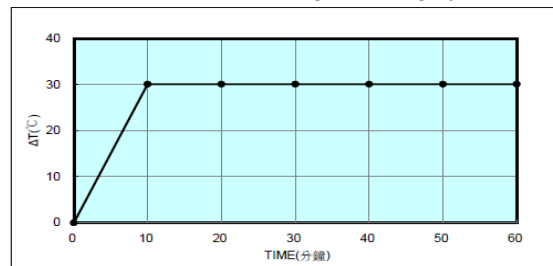


AMPI0630ED100MT

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

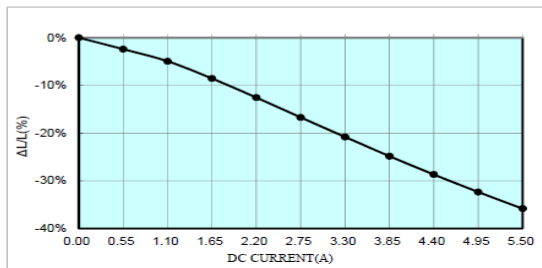


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

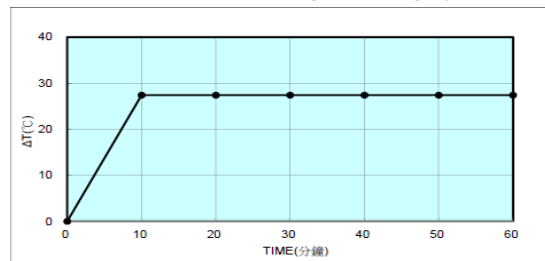


AMPI0630ED150MT

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

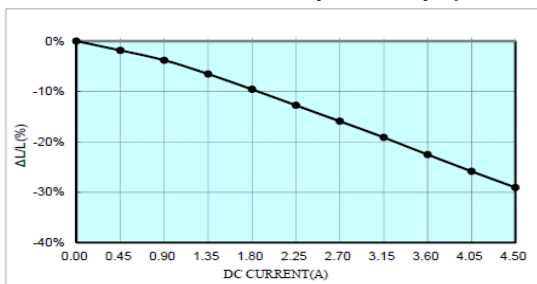


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

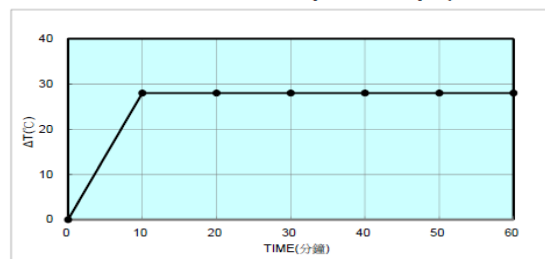


AMPI0630ED220MT

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

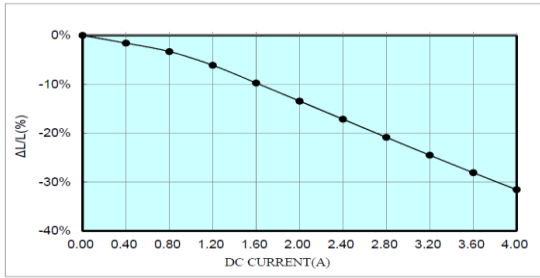


※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V



AMPI0630ED330MT

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



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

