

HIGH CURRENT POWER INDUCTORS / AMPI EL-A Type Series

• Features

SMD
Molding Inductor
Low Profile, Low Temp
Large Current (Over 15A)
Customize For Different Need

• Applications

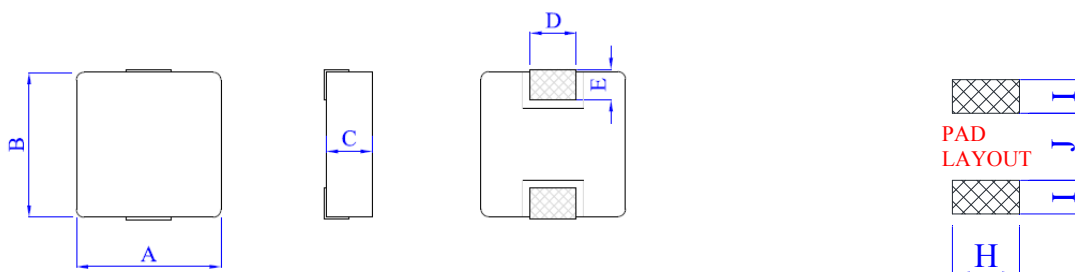
General Electronic
Video Device, TV, TFT
Power Module for PC
NB/Lap Top Computer
Server, VGA Card/Module



Fig.1

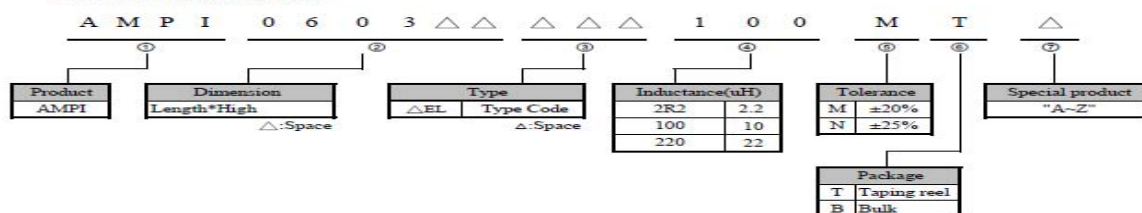


Fig.2



TYPE	Figure	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (Ref.)	I (Ref.)	J (Ref.)
AMPI0420EL	1	4.1±0.2	4.6±0.2	2.0 MAX.	1.5±0.3	1.0±0.5	2.5	1.50	2.2
AMPI0603EL	1	6.6±0.2	7.1±0.3	3.0 MAX.	3.0±0.3	1.6±0.5	3.5	2.35	3.7
AMPI1265EL	2	12.8±0.5	13.5±1.0	6.5 MAX.	3.8REF.	2.5 REF.	5.0	4.50	6.0

■ PRODUCT IDENTIFICATION



◆ AMPI0420EL Series Specification :

Part Number	Inductance (μ H)	Test Freq. (MHz)	DCR (m Ω) Max.	Saturation Current (A) Typ.	Temp. Rise current (A) Typ.
AMPI0420ELR22□TA	0.22	1.0	5.5	18.0	10.0
AMPI0420EL1R0□TA	1.0	1.0	17.0	8.0	5.5
AMPI0420EL1R5□TA	1.5	1.0	46.0	7.5	3.3
AMPI0420EL2R2□TA	2.2	1.0	38.5	6.0	4.0
AMPI0420EL4R7□TA	4.7	1.0	85.0	4.0	2.5

NOTE :

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

* □ Tolerance M : $\pm 20\%$

*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

◆ AMPI0603EL Series Specification :

Part Number	Inductance (μ H)	Test Freq. (MHz)	DCR (m Ω) Max.	Saturation Current (A) Typ.	Temp. Rise current (A) Typ.
AMPI0603ELR47□TA	0.47	1.0	4.2	26.0	17.5
AMPI0603ELR68□TA	0.68	1.0	5.5	25.0	15.5
AMPI0603EL1R0□TA	1.0	1.0	8.4	22.0	12.0
AMPI0603EL1R5□TA	1.5	1.0	15.0	18.0	9.0
AMPI0603EL2R2□TA	2.2	1.0	16.4	14.0	8.0
AMPI0603EL3R3□TA	3.3	1.0	30.0	13.5	6.0
AMPI0603EL4R7□TA	4.7	1.0	40.0	10.0	5.5
AMPI0603EL6R8□TA	6.8	1.0	60.0	8.5	4.8
AMPI0603EL8R2□TA	8.2	1.0	68.0	7.0	4.0
AMPI0603EL100□TA	10	1.0	105.0	7.0	3.0
AMPI0603EL220□TA	22	1.0	125.0	3.0	2.9

NOTE :

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

* □ Tolerance M : $\pm 20\%$

*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

◆ AMPI1265EL Series Specification :

Part Number	Inductance (μ H)	Test Freq. (MHz)	DCR (m Ω) Max.	Saturation Current (A) Typ.	Temp. Rise current (A) Typ.
AMPI1265EL4R7□TA	4.7	1.0	11.20	30.0	13.5
AMPI1265EL6R8□TA	6.8	1.0	14.00	17.5	11.5
AMPI1265EL8R2□TA	8.2	1.0	15.50	16.0	10.5
AMPI1265EL100□TA	10	1.0	16.80	15.5	10.0
AMPI1265EL150□TA	15	1.0	29.00	9.0	6.0
AMPI1265EL220□TA	22	1.0	39.50	7.5	5.0
AMPI1265EL330□TA	33	1.0	65.00	6.0	5.0
AMPI1265EL470□TA	47	1.0	92.00	5.0	4.0
AMPI1265EL680□TA	68	1.0	134.00	3.5	2.0

NOTE :

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

* □ Tolerance M : $\pm 20\%$

* 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