Data Sheet

Customer:

Product: SMD Power Inductor – ATNR Series

Size : 3010/3012/3015/4010/4012/4018/4030/5010/5012/5020
5040/6012/6020/6028/6045/8040

Issued Date: 05-July-2023

Edition: Ver. 1

Record of change

Date	Ver.	Description	Page
05-July-2023	1		

HITANO ENTERPRISE CORP.

7F-7, No. 3, Wu Chuan 1st Road, New Taipei Industrial Park,
New Taipei City, TAIWAN, R.O.C.
Tel: +886 2 2299 1331 (Rep.)
Fax: +886 2 2298 2466, 2298 2969

Prepared by	Checked by	Approved by	Accepted by (customer)
05-July-2023	05-July-2023	05-July-2023	
Hwa Wu	Andy Hsu	Arthur Su	

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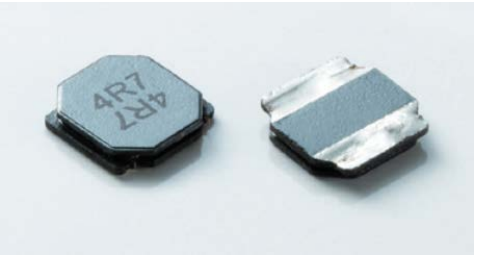
SMD POWER INDUCTOR

◆ Features

* Small and low profile inductor
* It corresponds to high current
* Simple and original magnetic shield structure
* Durable structure against dropping impact
* Applicable at high frequency up to 1MHz
* RoHs Compliant



◆ Application

* LCD displays
* STB
* LCD Moniter / TV
* Smart meter
* Table PC and other protable devices
* DC/DC converters

◆ Part Numbering

ATNR	3010	MA	4R7	M	T	-	□□
SERIES	SIZE	Type	INDUCTANCE	TOLERANCE	PACKAGE		INTERNAL CODE
	3010	- - : Standard	0R8=0.8uH	M= ±20%	T=Tape & Reel		
	3012	M - : M	R33= 0.33uH	N= ±25%			
	3015	MH : MH	4R7= 4.7uH	Y= ±30%			
	4010	MA : MA	100= 10uH				
	4012		101= 100uH				
	4018						
	4030						
	5010						
	5012						
	5020						
	5040						
	6012						
	6020						
	6028						
	6045						
	8040						

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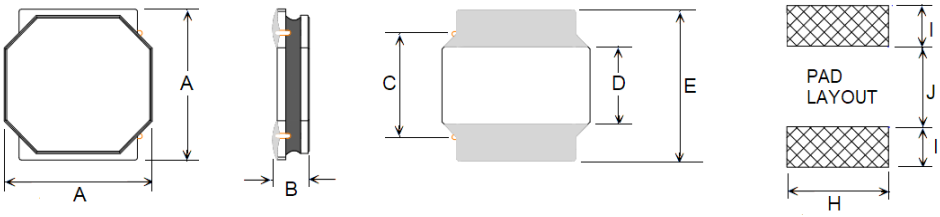
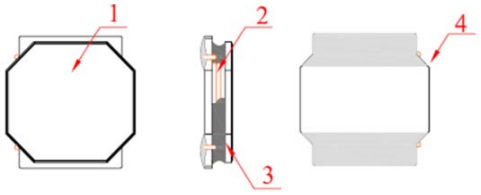
Shape & Dimensions



SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (Ref.)	I (Ref.)	J (Ref.)
3010	3.0±0.2	0.9±0.1	2.0±0.2	1.0±0.2	3.0±0.2	2.7	0.8	1.4
3012	3.0±0.2	1.1±0.1	2.0±0.2	1.0±0.2	3.0±0.2	2.7	0.8	1.4
3015	3.0±0.2	1.5 Max.	2.0±0.2	1.0±0.2	3.0±0.2	2.7	0.8	1.4
4010	4.0±0.2	0.9±0.1	2.7±0.2	1.4±0.2	4.0±0.2	3.7	1.2	1.6
4012	4.0±0.2	1.1±0.1	2.7±0.2	1.4±0.2	4.0±0.2	3.7	1.2	1.6
4012(MA)	4.0±0.2	1.2 +0.1/-0.15	2.7±0.2	1.4±0.2	4.0±0.2	3.7	1.2	1.6
4018	4.0±0.2	1.8 Max.	2.7±0.2	1.4±0.2	4.0±0.2	3.7	1.2	1.6
4018(MA)	4.0±0.2	1.8±0.2	2.7±0.2	1.4 Ref.	4.0±0.2	3.7	1.2	1.6
5010	5.0±0.2	0.9±0.1	3.5±0.2	2.0±0.2	5.0±0.2	4.7	1.4	2.4
5012	5.0±0.2	1.1±0.1	3.5±0.2	2.0±0.2	5.0±0.2	4.7	1.4	2.4
5020	5.0±0.2	2.0±0.2	3.5±0.2	2.0 Ref.	5.0±0.2	4.7	1.4	2.4
5020(MH)	5.0±0.2	2.0 Max.	3.5±0.2	2.0±0.2	5.0±0.2	4.7	1.4	2.4
5040	5.0±0.3	4.2 Max.	3.5 Ref.	2.0 Ref.	5.0 Ref.	5.5	1.5	1.5
5040(MA)	5.0±0.2	4.0±0.2	3.5 Ref.	2.0 Ref.	5.0 Ref.	4.7	1.4	2.4
6012	6.0±0.2	1.1±0.1	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
6020	6.0±0.2	2.0 Max.	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
6020(MA)	6.0±0.2	2.0±0.2	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
6045	6.0±0.2	4.5 Max.	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1

◆ Construction



ATNR Standard Type

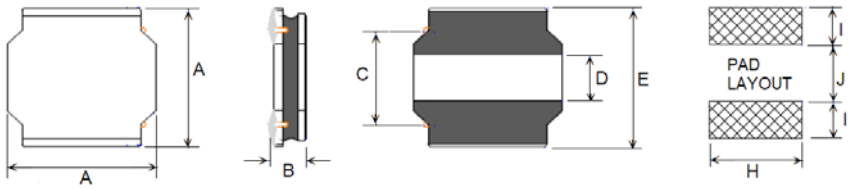
No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Copper Wire
3	Over-coating resin	Epoxy resin
4	Electrode (top surface solder)	Sn

ATNR-M / ATNR-MA / ATNR-MH Type

No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Copper Wire
3	Over-coating resin	Magnetic epoxy resin
4	Electrode (top surface solder)	Sn

SMD POWER INDUCTOR

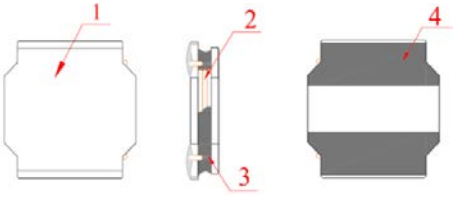
Shape & Dimensions



SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (Ref.)	I (Ref.)	J (Ref.)
4030	4.0±0.3	3.1 Max.	2.7±0.2	1.4 Ref.	4.0±0.2	3.5	1.25	1.8
6028	6.0±0.2	2.8±0.2	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
6028(MH)	6.0±0.2	2.8 Max.	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
6045	6.0±0.2	4.5 +0.2/-0.3	4.325±0.2	2.65±0.2	6.0±0.2	5.7	1.6	3.1
8040	8.0±0.2	*1 4.2 Max.	5.6±0.3	3.1±0.3	8.0±0.2	7.7	1.8	3.8
8040	8.0±0.2	*2 4.0 Max.	5.6±0.3	3.1±0.3	8.0±0.2	7.7	1.8	3.8
8040(MA)	8.0±0.2	4.0 +0.2/-0.3	5.6±0.3	3.1±0.3	8.0±0.2	7.7	2.3	3.8

Note : *1 > 0R9 ~ 8R2 = 4.2 Max. *2 > 100 ~ 220 = 4.0 Max.

Construction



ATNR Standard Type

No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Copper Wire
3	Over-coating resin	Epoxy resin
4	Electrode (top surface solder)	Sn

ATNR-M / ATNR-MA / ATNR-MH Type

No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Copper Wire
3	Over-coating resin	Magnetic epoxy resin
4	Electrode (top surface solder)	Sn

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SMD POWER INDUCTOR

Electrical Specification

Size 3010 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3010--2R2□T-□□	2.2	Y	100	160	1.3	1.3
ATNR3010--3R3□T-□□	3.3	Y	100	220	1.2	1.0
ATNR3010--4R7□T-□□	4.7	Y	100	360	1.1	0.9
ATNR3010--6R8□T-□□	6.8	M , N	100	450	0.9	0.8
ATNR3010--8R2□T-□□	8.2	M , N	100	490	0.7	0.7
ATNR3010--100□T-□□	10	M , N	100	590	0.6	0.62

Size 4010 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4010--2R2□T-□□	2.2	Y	100	143	1.6	1.4
ATNR4010--3R3□T-□□	3.3	Y	100	197	1.4	1.35
ATNR4010--4R7□T-□□	4.7	Y	100	270	1.3	1.3
ATNR4010--6R8□T-□□	6.8	M , N	100	360	1.0	1.0
ATNR4010--8R2□T-□□	8.2	M , N	100	396	0.9	0.9
ATNR4010--100□T-□□	10	M , N	100	480	0.8	0.8

Size 4018 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4018--2R2□T-□□	2.2	Y	100	90	2.8	2.3
ATNR4018--3R3□T-□□	3.3	Y	100	110	2.6	2.2
ATNR4018--4R7□T-□□	4.7	Y	100	150	2.2	1.7
ATNR4018--6R8□T-□□	6.8	M , N	100	220	1.8	1.4
ATNR4018--100□T-□□	10	M , N	100	345	1.4	0.9

Size 5010 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5010--2R2□T-□□	2.2	Y	100	135	1.8	1.4
ATNR5010--3R3□T-□□	3.3	Y	100	160	1.4	1.2
ATNR5010--4R7□T-□□	4.7	Y	100	230	1.3	1.0
ATNR5010--6R8□T-□□	6.8	M , N	100	265	1.0	0.8
ATNR5010--100□T-□□	10	M , N	100	420	0.9	0.7

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Size 5012 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5012--2R2□T-□□	2.2	Y	100	105	2.6	2.2
ATNR5012--3R3□T-□□	3.3	Y	100	155	2.1	1.9
ATNR5012--4R7□T-□□	4.7	Y	100	195	1.6	1.5
ATNR5012--6R8□T-□□	6.8	M , N	100	295	1.4	1.2
ATNR5012--100□T-□□	10	M , N	100	410	1.1	1.0

Size 6012 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6012--2R2□T-□□	2.2	Y	100	120	2.60	2.10
ATNR6012--3R3□T-□□	3.3	Y	100	175	2.15	1.70
ATNR6012--4R7□T-□□	4.7	Y	100	220	1.85	1.50
ATNR6012--5R3□T-□□	5.3	M , N	100	240	1.70	1.60
ATNR6012--6R8□T-□□	6.8	M , N	100	280	1.60	1.20
ATNR6012--8R2□T-□□	8.2	M , N	100	320	1.45	1.15
ATNR6012--100□T-□□	10	M , N	100	430	1.40	1.10

Size 6020 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6020--2R2□T-□□	2.2	Y	100	55	4.0	2.9
ATNR6020--3R3□T-□□	3.3	Y	100	75	3.2	2.5
ATNR6020--4R7□T-□□	4.7	Y	100	90	2.8	2.4
ATNR6020--6R8□T-□□	6.8	M , N	100	115	2.4	2.1
ATNR6020--100□T-□□	10	M , N	100	175	1.9	1.6

Size 8040 / Standard Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR8040--1R5□T-□□	1.5	Y	100	15	9.0	8.0
ATNR8040--2R2□T-□□	2.2	Y	100	18	7.5	7.0
ATNR8040--3R3□T-□□	3.3	Y	100	20	6.5	6.0
ATNR8040--4R7□T-□□	4.7	M , N	100	31	5.5	4.1
ATNR8040--6R8□T-□□	6.8	M , N	100	35	5.0	5.0
ATNR8040--100□T-□□	10	M , N	100	54	4.0	3.0
ATNR8040--150□T-□□	15	M , N	100	85	2.5	2.4
ATNR8040--180□T-□□	18	M , N	100	104	2.6	2.0

Note :

* The operating temperature range is -40℃~+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 ΔT≦40℃(Ta=25℃)

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SMD POWER INDUCTOR

Electrical Specification

Size 3010 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3010M-1R0□T-□□	1.0	Y	100	78	1.30	1.40
ATNR3010M-1R5□T-□□	1.5	Y	100	96	1.20	1.30
ATNR3010M-2R2□T-□□	2.2	Y	100	114	1.10	1.10
ATNR3010M-3R3□T-□□	3.3	Y	100	168	0.87	0.94
ATNR3010M-4R7□T-□□	4.7	Y	100	228	0.75	0.78
ATNR3010M-6R8□T-□□	6.8	M , N	100	360	0.61	0.63
ATNR3010M-100□T-□□	10	M , N	100	540	0.50	0.51
ATNR3010M-150□T-□□	15	M , N	100	888	0.40	0.40
ATNR3010M-220□T-□□	22	M , N	100	1236	0.35	0.35

Size 3012 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3012M-1R0□T-□□	1.0	Y	100	60	1.50	1.49
ATNR3012M-1R5□T-□□	1.5	Y	100	72	1.36	1.40
ATNR3012M-2R2□T-□□	2.2	Y	100	96	1.10	1.20
ATNR3012M-3R3□T-□□	3.3	Y	100	120	0.91	1.05
ATNR3012M-4R7□T-□□	4.7	Y	100	156	0.77	0.98
ATNR3012M-6R8□T-□□	6.8	M , N	100	228	0.65	0.74
ATNR3012M-100□T-□□	10	M , N	100	348	0.54	0.63
ATNR3012M-150□T-□□	15	M , N	100	540	0.44	0.48
ATNR3012M-220□T-□□	22	M , N	100	756	0.37	0.42
ATNR3012M-330□T-□□	33	M , N	100	1236	0.31	0.33
ATNR3012M-470□T-□□	47	M , N	100	1740	0.25	0.28

Size 3015 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3015M-1R0□T-□□	1.0	Y	100	36	2.10	2.10
ATNR3015M-1R5□T-□□	1.5	Y	100	48	1.80	1.82
ATNR3015M-2R2□T-□□	2.2	Y	100	72	1.48	1.50
ATNR3015M-3R3□T-□□	3.3	Y	100	96	1.21	1.23
ATNR3015M-4R7□T-□□	4.7	Y	100	144	1.02	1.04
ATNR3015M-6R8□T-□□	6.8	M , N	100	192	0.87	0.88
ATNR3015M-100□T-□□	10	M , N	100	276	0.70	0.71
ATNR3015M-150□T-□□	15	M , N	100	432	0.56	0.56
ATNR3015M-220□T-□□	22	M , N	100	624	0.47	0.47
ATNR3015M-330□T-□□	33	M , N	100	1008	0.39	0.37
ATNR3015M-470□T-□□	47	M , N	100	1608	0.32	0.30

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SMD POWER INDUCTOR

Size 4010 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4010M-1R0□T-□□	1.0	Y	100	120	1.80	1.05
ATNR4010M-2R2□T-□□	2.2	Y	100	180	1.15	0.89
ATNR4010M-3R3□T-□□	3.3	Y	100	216	1.10	0.82
ATNR4010M-4R7□T-□□	4.7	Y	100	252	0.90	0.75
ATNR4010M-6R8□T-□□	6.8	M , N	100	360	0.74	0.62
ATNR4010M-100□T-□□	10	M , N	100	456	0.56	0.60
ATNR4010M-150□T-□□	15	M , N	100	612	0.47	0.51
ATNR4010M-220□T-□□	22	M , N	100	1044	0.36	0.40
ATNR4010M-330□T-□□	33	M , N	100	1848	0.28	0.30
ATNR4010M-470□T-□□	47	M , N	100	2172	0.24	0.28

Size 4012 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4012M-1R0□T-□□	1.0	Y	100	72	2.50	1.50
ATNR4012M-2R2□T-□□	2.2	Y	100	108	1.65	1.20
ATNR4012M-3R3□T-□□	3.3	Y	100	156	1.20	0.98
ATNR4012M-4R7□T-□□	4.7	Y	100	168	1.05	0.96
ATNR4012M-6R8□T-□□	6.8	M , N	100	216	0.90	0.84
ATNR4012M-100□T-□□	10	M , N	100	288	0.74	0.77
ATNR4012M-150□T-□□	15	M , N	100	480	0.56	0.60
ATNR4012M-220□T-□□	22	M , N	100	576	0.51	0.54
ATNR4012M-330□T-□□	33	M , N	100	972	0.40	0.42
ATNR4012M-470□T-□□	47	M , N	100	1200	0.35	0.37

Size 4018 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4018M-1R0□T-□□	1.0	Y	100	36	4.00	1.83
ATNR4018M-2R2□T-□□	2.2	Y	100	72	2.70	1.44
ATNR4018M-3R3□T-□□	3.3	Y	100	84	2.00	1.23
ATNR4018M-4R7□T-□□	4.7	Y	100	108	1.70	1.20
ATNR4018M-6R8□T-□□	6.8	M , N	100	132	1.45	1.06
ATNR4018M-100□T-□□	10	M , N	100	216	1.20	0.84
ATNR4018M-150□T-□□	15	M , N	100	300	0.94	0.65
ATNR4018M-220□T-□□	22	M , N	100	432	0.80	0.59
ATNR4018M-330□T-□□	33	M , N	100	636	0.65	0.49

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SMD POWER INDUCTOR

Size 4030 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4030M-1R0□T-□□	1.0	Y	100	30	3.00	3.00
ATNR4030M-2R2□T-□□	2.2	Y	100	39	4.90	2.95
ATNR4030M-3R3□T-□□	3.3	Y	100	52	3.30	2.40
ATNR4030M-4R7□T-□□	4.7	Y	100	78	2.90	2.00
ATNR4030M-100□T-□□	10	M , N	100	140	1.85	1.50
ATNR4030M-150□T-□□	15	M , N	100	250	1.85	1.10
ATNR4030M-220□T-□□	22	M , N	100	293	1.30	1.00
ATNR4030M-330□T-□□	33	M , N	100	330±30%	1.00	0.80
ATNR4030M-470□T-□□	47	M , N	100	845	0.95(≦35%)	0.72
ATNR4030M-101□T-□□	100	M , N	100	1650	0.40	0.40

Size 5010 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5010M-1R0□T-□□	1.0	Y	100	84	2.35	1.75
ATNR5010M-2R2□T-□□	2.2	Y	100	126	1.50	1.40
ATNR5010M-3R3□T-□□	3.3	Y	100	150	1.40	1.25
ATNR5010M-4R7□T-□□	4.7	Y	100	174	1.20	1.15
ATNR5010M-6R8□T-□□	6.8	M , N	100	222	1.00	1.00
ATNR5010M-100□T-□□	10	M , N	100	300	0.85	0.90
ATNR5010M-150□T-□□	15	M , N	100	480	0.68	0.65

Size 5040 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5040M-1R0□T-□□	1.0	Y	100	20	7.35	4.90
ATNR5040M-1R5□T-□□	1.5	Y	100	24	6.00	4.30
ATNR5040M-2R2□T-□□	2.2	Y	100	27	5.70	3.50
ATNR5040M-3R3□T-□□	3.3	Y	100	39	3.95	3.40
ATNR5040M-4R7□T-□□	4.7	Y	100	330±20%	4.20	3.20
ATNR5040M-5R6□T-□□	5.6	M , N	100	65	3.00	2.50
ATNR5040M-6R8□T-□□	6.8	M , N	100	54	3.30	2.40
ATNR5040M-100□T-□□	10	M , N	100	85	2.35	2.20
ATNR5040M-150□T-□□	15	M , N	100	117	2.30	1.80
ATNR5040M-220□T-□□	22	M , N	100	168	1.80	1.40
ATNR5040M-330□T-□□	33	M , N	100	216	1.30	1.20
ATNR5040M-470□T-□□	47	M , N	100	320	1.10	1.00
ATNR5040M-680□T-□□	68	M , N	100	520	0.90	0.80
ATNR5040M-101□T-□□	100	M , N	100	560±30%	0.75	0.70

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Size 6012 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6012M-2R5□T-□□	2.5	Y	100	108	2.10	1.73
ATNR6012M-4R0□T-□□	4.0	Y	100	126	1.80	1.57
ATNR6012M-5R3□T-□□	5.3	M , N	100	150	1.50	1.40
ATNR6012M-6R8□T-□□	6.8	M , N	100	198	1.30	1.18
ATNR6012M-100□T-□□	10	M , N	100	282	1.00	1.00
ATNR6012M-150□T-□□	15	M , N	100	396	0.80	0.79
ATNR6012M-220□T-□□	22	M , N	100	636	0.76	0.63
ATNR6012M-330□T-□□	33	M , N	100	840	0.59	0.53
ATNR6012M-470□T-□□	47	M , N	100	1260	0.52	0.46
ATNR6012M-680□T-□□	68	M , N	100	1620	0.44	0.41
ATNR6012M-101□T-□□	100	M , N	100	2616	0.35	0.32

Size 6020 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6020M-0R8□T-□□	0.8	Y	100	24.0	5.50	3.80
ATNR6020M-1R5□T-□□	1.5	Y	100	31.2	4.00	3.20
ATNR6020M-2R2□T-□□	2.2	Y	100	40.8	3.20	2.70
ATNR6020M-3R3□T-□□	3.3	Y	100	48.0	2.80	2.60
ATNR6020M-4R7□T-□□	4.7	M , N	100	67.2	2.40	2.00
ATNR6020M-6R8□T-□□	6.8	M , N	100	102.0	2.00	1.80
ATNR6020M-100□T-□□	10	M , N	100	150.0	1.60	1.40
ATNR6020M-220□T-□□	22	M , N	100	348.0	1.05	0.95

Size 6045 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6045M-1R0□T-□□	1.0	Y	100	19	8.50	4.20
ATNR6045M-1R3□T-□□	1.3	Y	100	21	8.00	4.00
ATNR6045M-1R8□T-□□	1.8	Y	100	23	7.00	3.70
ATNR6045M-2R2□T-□□	2.2	Y	100	27	6.00	3.50
ATNR6045M-3R3□T-□□	3.3	Y	100	31	5.00	3.20
ATNR6045M-4R7□T-□□	4.7	Y	100	41	4.00	3.00
ATNR6045M-6R8□T-□□	6.8	M , N	100	52	3.60	2.60
ATNR6045M-100□T-□□	10	M , N	100	61	3.00	2.50
ATNR6045M-150□T-□□	15	M , N	100	100	2.30	1.90
ATNR6045M-220□T-□□	22	M , N	100	149	1.90	1.50
ATNR6045M-330□T-□□	33	M , N	100	210	1.50	1.40
ATNR6045M-470□T-□□	47	M , N	100	286	1.30	1.10
ATNR6045M-680□T-□□	68	M , N	100	429	1.00	0.90
ATNR6045M-101□T-□□	100	M , N	100	650	0.80	0.70

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Size 8040 / M Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR8040M-0R9□T-□□	0.9	Y	100	7.8	11.00	7.80
ATNR8040M-1R4□T-□□	1.4	Y	100	9.1	9.00	7.00
ATNR8040M-2R0□T-□□	2.0	Y	100	11.7	7.40	6.30
ATNR8040M-3R6□T-□□	3.6	Y	100	19.5	5.30	4.90
ATNR8040M-4R7□T-□□	4.7	Y	100	23.4	4.70	4.10
ATNR8040M-6R8□T-□□	6.8	M , N	100	32.5	4.00	3.70
ATNR8040M-100□T-□□	10	M , N	100	44.2	3.40	3.10
ATNR8040M-150□T-□□	15	M , N	100	65.0	2.70	2.40
ATNR8040M-220□T-□□	22	M , N	100	85.6	2.40	2.20
ATNR8040M-330□T-□□	33	M , N	100	130.0	1.90	1.70
ATNR8040M-470□T-□□	47	M , N	100	195.0	1.50	1.40
ATNR8040M-680□T-□□	68	M , N	100	299.0	1.20	1.10
ATNR8040M-101□T-□□	100	M , N	100	377.0	1.00	1.00

Note :

* The operating temperature range is -40℃~+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 ΔT≦40℃(Ta=25℃)

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SMD POWER INDUCTOR

Electrical Specification

Size 3010 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3010MH1R0□T-□□	1.0	Y	100	78.0	1.70	1.48
ATNR3010MH1R5□T-□□	1.5	Y	100	90.0	1.44	1.37
ATNR3010MH2R2□T-□□	2.2	Y	100	105.0	1.30	1.30
ATNR3010MH3R3□T-□□	3.3	Y	100	156.0	1.00	1.03
ATNR3010MH4R7□T-□□	4.7	Y	100	204.0	0.85	0.90
ATNR3010MH6R8□T-□□	6.8	M , N	100	300.0	0.70	0.75
ATNR3010MH100□T-□□	10	M , N	100	420.0	0.60	0.62
ATNR3010MH150□T-□□	15	M , N	100	660.0	0.45	0.48
ATNR3010MH220□T-□□	22	M , N	100	924.0	0.38	0.41

Size 3012 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR3012MH1R0□T-□□	1.0	Y	100	57.6	2.20	1.71
ATNR3012MH2R2□T-□□	2.2	Y	100	90.0	1.50	1.37
ATNR3012MH3R3□T-□□	3.3	Y	100	120.0	1.20	1.21
ATNR3012MH4R7□T-□□	4.7	Y	100	156.0	1.00	1.06
ATNR3012MH6R8□T-□□	6.8	M , N	100	228.0	0.85	0.89
ATNR3012MH100□T-□□	10	M , N	100	324.0	0.73	0.72
ATNR3012MH150□T-□□	15	M , N	100	540.0	0.53	0.57
ATNR3012MH220□T-□□	22	M , N	100	756.0	0.50	0.50

Size 4010 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4010MH1R0□T-□□	1.0	Y	100	67.2	2.00	1.90
ATNR4010MH2R2□T-□□	2.2	Y	100	102.0	1.20	1.50
ATNR4010MH3R3□T-□□	3.3	Y	100	120.0	1.10	1.40
ATNR4010MH4R7□T-□□	4.7	Y	100	168.0	0.95	1.20
ATNR4010MH6R8□T-□□	6.8	M , N	100	240.0	0.80	1.00
ATNR4010MH100□T-□□	10	M , N	100	360.0	0.62	0.75
ATNR4010MH150□T-□□	15	M , N	100	516.0	0.54	0.60
ATNR4010MH220□T-□□	22	M , N	100	684.0	0.45	0.50

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Size 4012 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4012MH1R0□T-□□	1.0	Y	100	50.4	2.80	2.20
ATNR4012MH2R2□T-□□	2.2	Y	100	72.0	1.60	1.90
ATNR4012MH3R3□T-□□	3.3	Y	100	84.0	1.40	1.70
ATNR4012MH4R7□T-□□	4.7	Y	100	114.0	1.10	1.50
ATNR4012MH6R8□T-□□	6.8	M , N	100	150.0	0.90	1.30
ATNR4012MH100□T-□□	10	M , N	100	204.0	0.70	1.10
ATNR4012MH220□T-□□	22	M , N	100	480.0	0.50	0.62

Size 4018 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR4018MH1R0□T-□□	1.0	Y	100	32.4	4.00	3.20
ATNR4018MH2R2□T-□□	2.2	Y	100	50.4	3.00	2.20
ATNR4018MH3R3□T-□□	3.3	Y	100	66.0	2.30	2.00
ATNR4018MH4R7□T-□□	4.7	Y	100	84.0	2.00	1.70
ATNR4018MH6R8□T-□□	6.8	M , N	100	117.6	1.60	1.45
ATNR4018MH100□T-□□	10	M , N	100	180.0	1.30	1.20
ATNR4018MH150□T-□□	15	M , N	100	252.0	1.10	0.85
ATNR4018MH220□T-□□	22	M , N	100	348.0	0.90	0.72
ATNR4018MH330□T-□□	33	M , N	100	552.0	0.70	0.55

Size 5010 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5010MH1R0□T-□□	1.0	Y	100	50	2.20	2.20
ATNR5010MH1R5□T-□□	1.5	Y	100	65	1.70	2.15
ATNR5010MH2R2□T-□□	2.2	Y	100	85	1.40	1.70
ATNR5010MH3R3□T-□□	3.3	Y	100	102	1.10	1.40
ATNR5010MH4R7□T-□□	4.7	Y	100	136	1.00	1.15
ATNR5010MH6R8□T-□□	6.8	M , N	100	183	0.85	1.00
ATNR5010MH100□T-□□	10	M , N	100	236	0.65	0.85
ATNR5010MH150□T-□□	15	M , N	100	402	0.55	0.65

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Size 5020 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR5020MH1R0□T-□□	1.0	Y	100	25.2	4.00	3.60
ATNR5020MH1R5□T-□□	1.5	Y	100	31.2	3.35	3.20
ATNR5020MH2R2□T-□□	2.2	Y	100	42.0	2.90	2.90
ATNR5020MH3R3□T-□□	3.3	Y	100	57.6	2.40	2.40
ATNR5020MH4R7□T-□□	4.7	Y	100	72.0	2.00	2.00
ATNR5020MH6R8□T-□□	6.8	M , N	100	108.0	1.60	1.65
ATNR5020MH100□T-□□	10	M , N	100	144.0	1.30	1.45
ATNR5020MH150□T-□□	15	M , N	100	198.0	1.10	1.20
ATNR5020MH220□T-□□	22	M , N	100	312.0	0.90	1.00

Size 6012 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6012MH2R5□T-□□	2.5	Y	100	110	2.10	1.73
ATNR6012MH3R3□T-□□	3.3	Y	100	125	1.80	1.65
ATNR6012MH4R7□T-□□	4.7	Y	100	155	1.60	1.55
ATNR6012MH5R3□T-□□	5.3	M , N	100	1.60	1.50	1.40
ATNR6012MH6R8□T-□□	6.8	M , N	100	165	1.30	1.18
ATNR6012MH100□T-□□	10	M , N	100	250	1.00	1.00
ATNR6012MH150□T-□□	15	M , N	100	355	0.80	0.79
ATNR6012MH220□T-□□	22	M , N	100	530	0.76	0.63
ATNR6012MH330□T-□□	33	M , N	100	780	0.59	0.53
ATNR6012MH470□T-□□	47	M , N	100	1110	0.52	0.46
ATNR6012MH680□T-□□	68	M , N	100	1440	0.44	0.41
ATNR6012MH101□T-□□	100	M , N	100	2190	0.35	0.32

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SMD POWER INDUCTOR

Size 6028 / MH Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.
ATNR6028MH0R9□T-□□	0.9	Y	100	16.9	6.70	4.60
ATNR6028MH1R5□T-□□	1.5	Y	100	20.8	5.10	4.20
ATNR6028MH2R2□T-□□	2.2	Y	100	26.0	4.20	3.70
ATNR6028MH3R0□T-□□	3.0	Y	100	29.9	3.60	3.40
ATNR6028MH4R7□T-□□	4.7	Y	100	40.3	2.70	3.00
ATNR6028MH6R0□T-□□	6.0	M , N	100	52.0	2.50	2.50
ATNR6028MH100□T-□□	10	M , N	100	84.5	1.90	1.90
ATNR6028MH150□T-□□	15	M , N	100	123.5	1.60	1.80
ATNR6028MH220□T-□□	22	M , N	100	175.5	1.30	1.40
ATNR6028MH330□T-□□	33	M , N	100	286.0	1.10	1.10
ATNR6028MH470□T-□□	47	M , N	100	390.0	1.00	0.92
ATNR6028MH680□T-□□	68	M , N	100	546.0	0.80	0.77
ATNR6028MH101□T-□□	100	M , N	100	780.0	0.65	0.66

Note :

* The operating temperature range is -40℃~+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 ΔT≦40℃(Ta=25℃)

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SMD POWER INDUCTOR

Electrical Specification

Size 3010 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR3010MA1R5□T-□□	1.5	Y	1	85	1.62	1.53
ATNR3010MA2R2□T-□□	2.2	Y	1	100	1.35	1.26
ATNR3010MA3R3□T-□□	3.3	Y	1	165	1.08	0.99
ATNR3010MA4R7□T-□□	4.7	Y	1	205	0.90	0.85
ATNR3010MA6R8□T-□□	6.8	M , N	1	310	0.78	0.76
ATNR3010MA100□T-□□	10	M , N	1	430	0.57	0.56
ATNR3010MA150□T-□□	15	M , N	1	625	0.50	0.49
ATNR3010MA220□T-□□	22	M , N	1	1095	0.42	0.41

Size 3015 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR3015MAR47□T-□□	0.47	Y	1	36	4.23	3.60
ATNR3015MA1R0□T-□□	1.0	Y	1	54	3.06	2.70
ATNR3015MA1R5□T-□□	1.5	Y	1	63	2.70	2.34
ATNR3015MA2R2□T-□□	2.2	Y	1	90	2.07	1.80
ATNR3015MA3R3□T-□□	3.3	Y	1	125	1.71	1.62
ATNR3015MA4R7□T-□□	4.7	Y	1	170	1.42	1.36
ATNR3015MA6R8□T-□□	6.8	M , N	1	235	1.20	1.17
ATNR3015MA100□T-□□	10	M , N	1	360	0.95	0.90
ATNR3015MA150□T-□□	15	M , N	1	550	0.81	0.72
ATNR3015MA220□T-□□	22	M , N	1	770	0.68	0.58

Size 4018 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR4018MA1R0□T-□□	1.0	Y	1	26.5	3.78	3.42
ATNR4018MA1R5□T-□□	1.5	Y	1	37.0	3.15	2.88
ATNR4018MA2R2□T-□□	2.2	Y	1	47.0	2.70	2.43
ATNR4018MA3R3□T-□□	3.3	Y	1	62.5	2.07	1.89
ATNR4018MA4R7□T-□□	4.7	Y	1	80.0	1.80	1.62
ATNR4018MA6R8□T-□□	6.8	M , N	1	115.0	1.35	1.21
ATNR4018MA100□T-□□	10	M , N	1	185.0	1.26	1.08

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SMD POWER INDUCTOR

Size 5020 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR5020MA1R0□T-□□	1.0	Y	1	18	5.40	3.69
ATNR5020MA1R5□T-□□	1.5	Y	1	23	4.41	3.15
ATNR5020MA2R2□T-□□	2.2	Y	1	30	3.60	2.97
ATNR5020MA3R3□T-□□	3.3	Y	1	50	2.70	2.50
ATNR5020MA4R7□T-□□	4.7	Y	1	60	2.43	1.98
ATNR5020MA6R8□T-□□	6.8	M , N	1	93	1.98	1.62
ATNR5020MA100□T-□□	10	M , N	1	125	1.62	1.44
ATNR5020MA150□T-□□	15	M , N	1	195	1.26	1.08
ATNR5020MA220□T-□□	22	M , N	1	265	1.08	0.90

Size 5040 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR5040MA1R0□T-□□	1.0	Y	1	12	7.92	5.31
ATNR5040MA1R5□T-□□	1.5	Y	1	14	7.11	4.86
ATNR5040MA2R2□T-□□	2.2	Y	1	20	6.12	4.05
ATNR5040MA3R3□T-□□	3.3	Y	1	26	4.77	3.78
ATNR5040MA4R7□T-□□	4.7	Y	1	32	3.96	2.88
ATNR5040MA6R8□T-□□	6.8	M , N	1	50	3.42	2.70
ATNR5040MA100□T-□□	10	M , N	1	70	2.70	2.07
ATNR5040MA150□T-□□	15	M , N	1	115	2.16	1.62
ATNR5040MA220□T-□□	22	M , N	1	160	1.80	1.44

Size 6020 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR6020MA1R0□T-□□	1.0	Y	1	19	5.76	3.78
ATNR6020MA1R5□T-□□	1.5	Y	1	26	4.86	3.33
ATNR6020MA2R2□T-□□	2.2	Y	1	34	4.05	2.97
ATNR6020MA3R3□T-□□	3.3	Y	1	45	3.24	2.52
ATNR6020MA4R7□T-□□	4.7	Y	1	58	2.70	2.07
ATNR6020MA6R8□T-□□	6.8	M , N	1	85	2.34	1.71
ATNR6020MA100□T-□□	10	M , N	1	130	1.89	1.44
ATNR6020MA150□T-□□	15	M , N	1	195	1.44	1.17
ATNR6020MA220□T-□□	22	M , N	1	260	1.17	0.99

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Size 6028 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR6028MA1R0□T-□□	1.0	Y	1	12	7.11	5.67
ATNR6028MA1R5□T-□□	1.5	Y	1	15	6.30	4.95
ATNR6028MA2R2□T-□□	2.2	Y	1	20	5.40	4.50
ATNR6028MA3R3□T-□□	3.3	Y	1	27	4.05	3.60
ATNR6028MA4R7□T-□□	4.7	Y	1	36	3.60	3.06
ATNR6028MA6R8□T-□□	6.8	M , N	1	48	2.88	2.70
ATNR6028MA100□T-□□	10	M , N	1	65	2.34	2.25
ATNR6028MA150□T-□□	15	M , N	1	93	1.89	1.80
ATNR6028MA220□T-□□	22	M , N	1	135	1.53	1.48

Size 6045 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR6045MA1R5□T-□□	1.5	Y	1	12	10.80	5.94
ATNR6045MA2R2□T-□□	2.2	Y	1	18	8.55	4.68
ATNR6045MA3R3□T-□□	3.3	Y	1	22	7.02	3.96
ATNR6045MA4R7□T-□□	4.7	Y	1	30	6.12	3.60
ATNR6045MA6R8□T-□□	6.8	M , N	1	42	5.13	2.97
ATNR6045MA100□T-□□	10	M , N	1	60	4.14	2.34
ATNR6045MA150□T-□□	15	M , N	1	90	3.42	1.98
ATNR6045MA220□T-□□	22	M , N	1	130	2.97	1.71

Size 8040 / MA Type

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	DCR (mΩ) ±30%	I sat (A)Max.	I rms (A)Max.
ATNR8040MA1R0□T-□□	1.0	Y	1	7.5	12.15	7.29
ATNR8040MA1R5□T-□□	1.5	Y	1	9.7	9.45	6.93
ATNR8040MA2R2□T-□□	2.2	Y	1	12.0	8.73	6.48
ATNR8040MA3R3□T-□□	3.3	Y	1	17.0	7.20	5.31
ATNR8040MA4R7□T-□□	4.7	Y	1	20.0	6.12	4.95
ATNR8040MA6R8□T-□□	6.8	M , N	1	29.0	5.22	4.41
ATNR8040MA100□T-□□	10	M , N	1	38.0	4.50	3.42
ATNR8040MA150□T-□□	15	M , N	1	57.0	3.60	2.88
ATNR8040MA220□T-□□	22	M , N	1	82.0	3.06	2.43

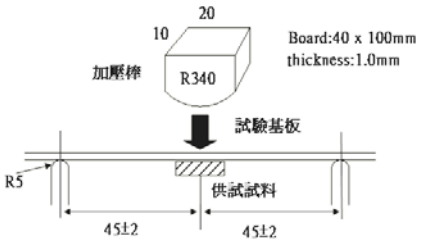
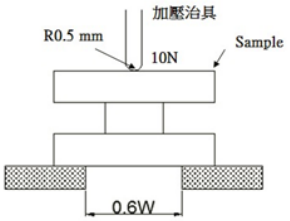
Note :

* The operating temperature range is -40℃~+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 ΔT≦40℃(Ta=25℃)

SMD POWER INDUCTOR

Electrical Specification

Mechanical Reliability:

Test Items	Test Conditions	Criteria
Bending test	Apply pressure gradually in the direction of the arrow at a rate of about 0.5mm/s until bent depth reaches 2mm and hold for30±5s 	change from an initial value L:within±10%
Adhesion strength	A static load using a R0.5 pressing tool with 10N shall be applied to the body of the specimen in the direction of the arrow and shall be hold for 10s,measure after removing pressure. 	change from an initial value L:within±10%
Vibration	Frequency: 10～55～10Hz Amplitude: 1.5mm Sweep time: 2 cycle Test Directions: X,Y,Z Test Time: 2 hours each direction	change from an initial value L:within±10%
Drop	Drop specimen three times on concrete floor from a height of 1meter which mounted on test board.	change from an initial value L:within±10%

SMD POWER INDUCTOR

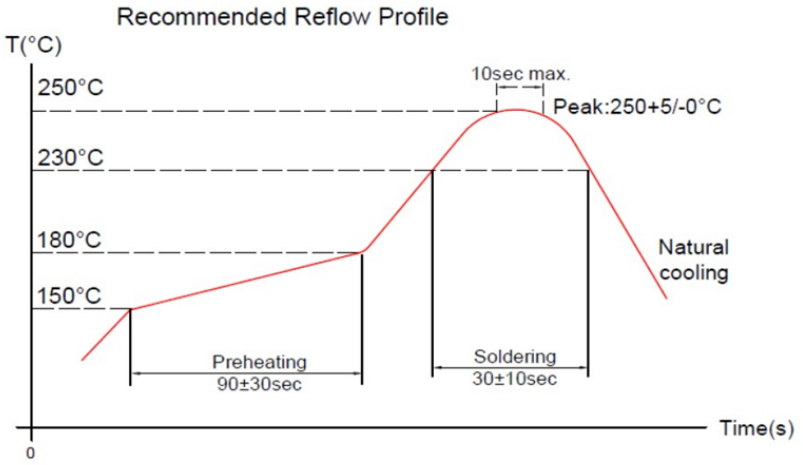
Electrical Specification

Mechanical Reliability:

Test Items	Test Conditions	Criteria
Low temperature storage	Placed at -40℃ for 500 hours, then measured at room ambient temperature after placing 24 hours.	change from an initial value L:within±10%
High temperature storage	Placed at +125℃for 500 hours, then measured at room ambient temperature after placing 24 hours.	change from an initial value L:within±10%
Thermal shock	Condition for 1 cycle: -40℃, 30min. ～ +125℃,30min. Number of cycles:100	change from an initial value L:within±10%
Humidity resistance	Placed at 90 to 95%RH,+60±2℃for 500 hours, then measured at room ambient temperature after placing 24 hours.	change from an initial value L:within±10%
Solderability test	Terminals shall be immersed for 5 to 10 seconds in flux at room temperature.Dip sample into solder bath containing molten soldr at 245±3℃ for 3±0.5 seconds	New solder shall cover 90% minimun of the surface immersed.
Heat endurance of reflow soldering resistance	The test sample shall be exposed to reflow oven at 230±5℃ for 40 seconds,with peak temperature at 260℃ for 10 seconds, 2 times.	Inductance shall be within ±10% of the initial value. Appearance: No damage
Hand soldering heat resistance	The peak temperature: 350±10℃、3.5±0.5 seconds.	change from an initial value L:within±10%
High temperature dynamic operation test	Placed at +85℃ for 500 hours, then measured at room ambient temperature with current test after placing 24 hours.	Inductance shall be within ±10% of the initial value. Appearance: No damage
Humidity dynamic operation test	Placed at 90 to 95%RH,+60℃ for 500 hours, then measured at room ambient temperature with current test after placing 24 hours.	Inductance shall be within ±10% of the initial value. Appearance: No damage

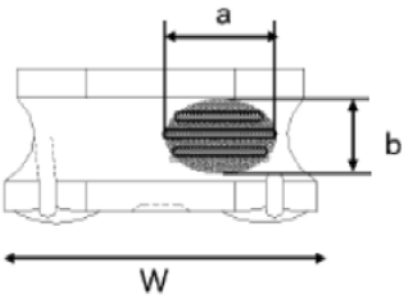
SMD POWER INDUCTOR

REFLOW-PROFILE :



The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc used. Hence, before setting up your reflow conditions, please confirm with the above.

VOID APPEARANCE TOLERANCE LIMIT :



Void appearance tolerance limit:

Size of voids occurring to coating resin is specified below

① Width direction (dimension a) : Acceptable when a≦w/2
Nonconforming when a>w/2

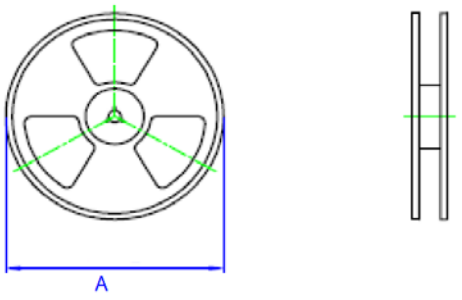
② Length direction (dimension b) : Dimension b is not specified

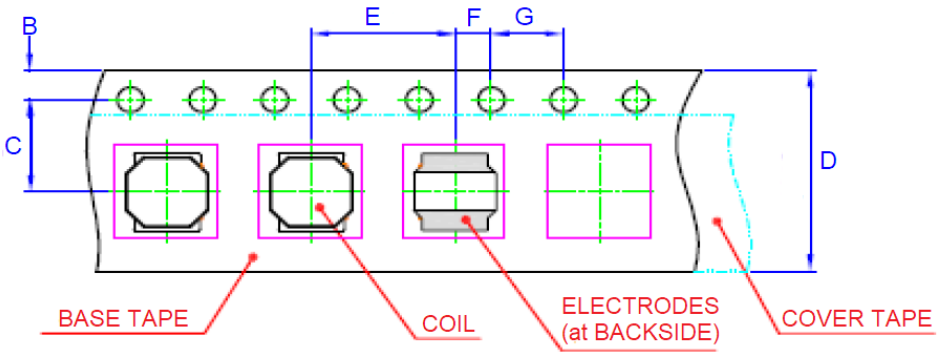
③ When total area of voids (including one exposing coil) occurring to each sides is not greater than 50% of coating reain area,that is acceptable

SMD POWER INDUCTOR

Tape & Reel Packaging Dimension

(A).



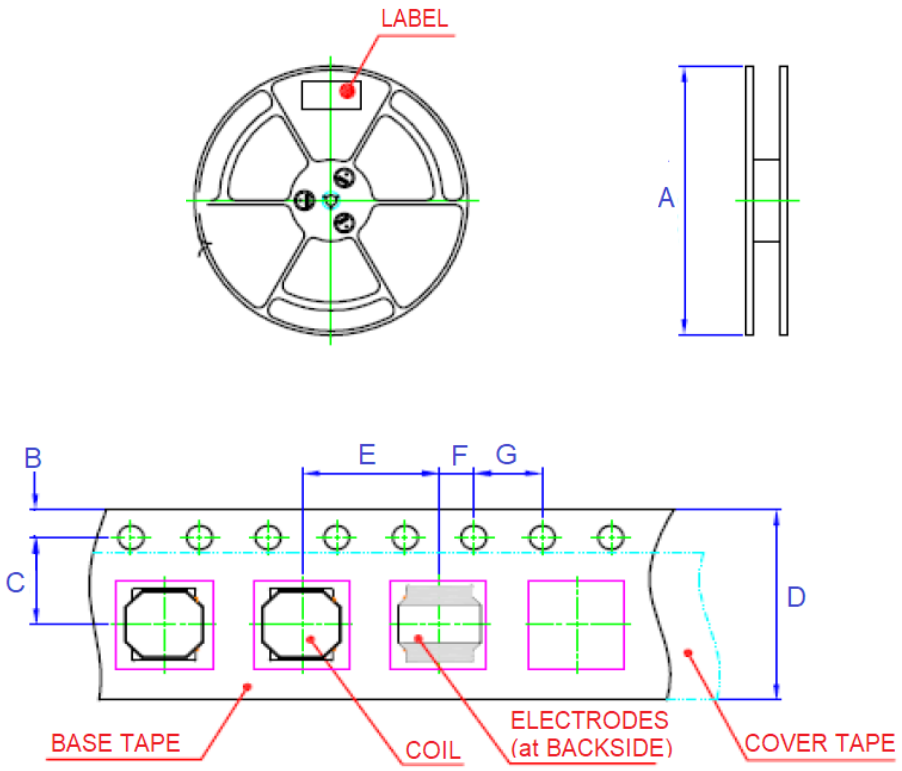


SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Packaging Quantity
3010	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
3012	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
3015	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
4010	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
4012	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
4018	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
4018(MA)	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	800 pcs/reel
5010	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
5012	178±0.2	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
6012	178±0.2	1.75±0.1	7.5±0.1	16.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel

SMD POWER INDUCTOR

Tape & Reel Packaging Dimension

(B).



SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Packaging Quantity
4030	330 Min.	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	2000 pcs/reel
5020	330 Min.	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1500 pcs/reel
5040	330 Min.	1.75±0.1	5.5±0.1	12.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1500 pcs/reel
6020	330 Min.	1.75±0.1	7.5±0.1	16.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	2000 pcs/reel
6028	330 Min.	1.75±0.1	7.5±0.1	16.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1500 pcs/reel
6045	330 Min.	1.75±0.1	7.5±0.1	16.0±0.3	8.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel
8040	330 Min.	1.75±0.1	7.5±0.1	16.0±0.3	12.0±0.1	2.0±0.1	4.0±0.1	1000 pcs/reel