

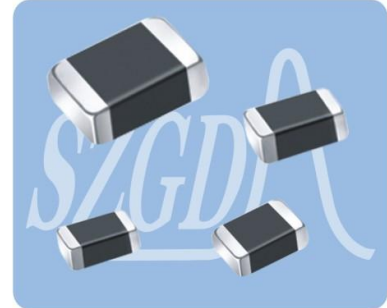
叠层片式铁氧体电感 GDMI 系列 Multilayer Chip Inductors GDMI Series

特征 FEATURES

- ◆ 独石结构，体积小，可靠性高
- ◆ 良好的磁屏蔽抗干扰
- ◆ 良好的焊接性，适用表面贴装

用途 APPLICATIONS

- ◆ 移动电话、路由器、电脑、数字机顶盒、智能手表、智能空调、智能冰箱、打印机、无线耳机、扫地机器人等。



产品型号 PRODUCT IDENTIFICATION

<u>GDMI</u>	<u>1608</u>	<u>N</u>	<u>100</u>	<u>K</u>	<u>T</u>	<u>F</u>
①	②	③	④	⑤	⑥	⑦

①

分类 Type	
GDMI	叠层片式铁氧体电感

②

外观尺寸	L*W(mm)
0603 [0201]	0.6*0.30
1005 [0402]	1.0*0.50
1608 [0603]	1.6*0.80
2012 [0805]	2.0*1.25
3216 [1206]	3.2*1.60

③

材料代号
L, M, N, Q, H, U

④

标称电感量	
Example	Nominal Value
47N	47.0 nH
R10	0.1 μ H
1R0	1.0 μ H

⑤

电感公差	
J	$\pm 5\%$
K	$\pm 10\%$
N	$\pm 30\%$

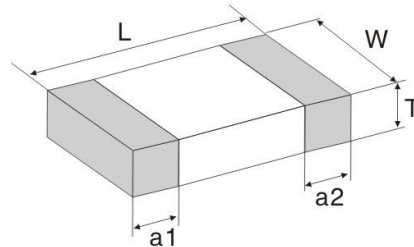
⑥

包装	
T	编带

⑦

无有害物质产品
F

外观尺寸 Extrenal Dimension



Unit: mm

Type 类型	L 长	W 宽	T 高	a1、a2
0603 [0201]	0.60 ± 0.05	0.30 ± 0.05	0.30 ± 0.05	0.15 ± 0.05
1005 [0402]	1.00 ± 0.15	0.50 ± 0.15	0.50 ± 0.15	0.25 ± 0.10
1608 [0603]	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.30 ± 0.20
2012 [0805]	2.00 ± 0.20	1.25 ± 0.20	0.80 ± 0.20	0.40 ± 0.30
3216 [1206]	3.20 ± 0.20	1.60 ± 0.20	0.80 ± 0.20	0.50 ± 0.30

规格特性 SPECIFICATIONS

GDMI0603系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI0603L80N□TF	0.080	10	50	300	1.0	10
GDMI0603LR12□TF	0.120	10	50	300	1.3	10
GDMI0603LR18□TF	0.180	10	50	300	1.5	10
GDMI0603MR12□TF	0.120	10	5	100	0.4	3
GDMI0603MR15□TF	0.150	10	5	100	0.5	3
GDMI0603MR18□TF	0.180	10	5	100	0.6	3
GDMI0603MR22□TF	0.220	10	5	100	0.7	3
GDMI0603MR27□TF	0.270	10	5	100	0.8	3
GDMI0603MR33□TF	0.330	10	5	100	0.9	3
GDMI0603MR39□TF	0.390	10	5	100	1.0	3
GDMI0603MR47□TF	0.470	10	5	100	1.2	3
GDMI0603MR56□TF	0.560	10	5	100	1.3	3
GDMI0603MR68□TF	0.680	10	5	100	1.4	3
GDMI0603MR82□TF	0.820	10	5	100	1.5	3
GDMI0603M1R0□TF	1.000	10	5	100	1.7	3

GDMI 1005系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI1005L47N□TF	0.047	10	50	220	0.45	25
GDMI1005L56N□TF	0.056	10	50	220	0.45	25
GDMI1005L68N□TF	0.068	10	50	210	0.45	25
GDMI1005L82N□TF	0.082	10	50	200	0.45	25
GDMI1005LR10□TF	0.100	10	25	200	0.80	25
GDMI1005LR12□TF	0.120	10	25	165	0.80	25
GDMI1005LR15□TF	0.150	10	25	140	0.90	25
GDMI1005LR18□TF	0.180	10	25	120	0.90	25
GDMI1005LR22□TF	0.220	10	25	110	1.20	25
GDMI1005LR27□TF	0.270	15	25	95	1.20	25
GDMI1005LR33□TF	0.330	15	25	85	1.25	18
GDMI1005LR39□TF	0.390	20	10	85	0.6	15
GDMI1005LR47□TF	0.470	20	10	80	0.7	15
GDMI1005LR56□TF	0.560	20	10	75	0.8	15
GDMI1005LR68□TF	0.680	20	10	70	0.9	15
GDMI1005LR82□TF	0.820	20	10	65	0.9	15
GDMI1005M1R0□TF	1.000	20	10	60	1.0	15
GDMI1005M1R2□TF	1.200	20	10	55	1.25	15
GDMI1005M1R5□TF	1.500	20	10	50	1.4	15
GDMI1005M1R8□TF	1.800	20	10	45	1.55	15
GDMI1005M2R2□TF	2.200	20	10	28	1.70	10
GDMI1005M2R7□TF	2.700	20	10	28	2.40	10
GDMI1005M3R3□TF	3.300	20	10	28	2.70	10

GDMI 1608系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI1608L47N□TF	0.047	15	50	610	0.30	50
GDMI1608L56N□TF	0.056	15	50	560	0.30	50
GDMI1608L68N□TF	0.068	15	50	510	0.30	50
GDMI1608L82N□TF	0.082	15	50	450	0.30	50
GDMI1608LR10□TF	0.100	15	25	400	0.50	50
GDMI1608LR12□TF	0.120	15	25	350	0.50	50
GDMI1608LR15□TF	0.150	15	25	295	0.60	50
GDMI1608LR18□TF	0.180	15	25	275	0.60	50
GDMI1608LR22□TF	0.220	15	25	265	0.80	50

GDMI 1608系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI1608LR27□TF	0.270	15	25	260	0.80	50
GDMI1608LR33□TF	0.330	15	25	250	0.85	35
GDMI1608LR39□TF	0.390	15	25	245	1.00	35
GDMI1608LR47□TF	0.470	15	25	240	1.35	35
GDMI1608LR56□TF	0.560	15	25	210	1.55	35
GDMI1608LR68□TF	0.680	15	25	180	1.70	35
GDMI1608LR82□TF	0.820	15	25	166	2.10	35
GDMI1608M1R0□TF	1.000	35	10	126	0.6	25
GDMI1608M1R2□TF	1.200	35	10	112	0.80	25
GDMI1608M1R5□TF	1.500	35	10	106	0.80	25
GDMI1608M1R8□TF	1.800	35	10	96	0.95	25
GDMI1608M2R2□TF	2.200	35	10	89	1.15	15
GDMI1608M2R7□TF	2.700	35	10	81	1.35	15
GDMI1608M3R3□TF	3.300	35	10	71	1.55	15
GDMI1608M3R9□TF	3.900	35	10	61	1.70	15
GDMI1608M4R7□TF	4.700	35	10	51	2.10	15
GDMI1608N5R6□TF	5.600	35	4	46	1.55	5
GDMI1608N6R8□TF	6.800	35	4	41	1.70	5
GDMI1608N8R2□TF	8.200	35	4	36	2.10	4
GDMI1608N100□TF	10.000	35	2	34	2.54	3
GDMI1608N120□TF	12.000	35	2	23	2.76	3
GDMI1608Q150□TF	15.000	20	1	20	1.70	1
GDMI1608Q180□TF	18.000	20	1	18	1.85	1
GDMI1608Q220□TF	22.000	20	1	16	2.10	1
GDMI1608Q270□TF	27.000	20	1	12	2.75	1
GDMI1608Q330□TF	33.000	20	1	10	2.95	1

GDMI 2012系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI2012L47N□TF	0.047	15	50	320	0.20	300
GDMI2012L56N□TF	0.056	15	50	320	0.20	300
GDMI2012L68N□TF	0.068	15	50	280	0.20	300
GDMI2012L82N□TF	0.082	15	50	255	0.20	300
GDMI2012LR10□TF	0.100	20	25	235	0.30	250
GDMI2012LR12□TF	0.120	20	25	220	0.30	250

GDMI 2012系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI2012LR15□TF	0.150	20	25	200	0.40	250
GDMI2012LR18□TF	0.180	20	25	185	0.40	250
GDMI2012LR22□TF	0.220	20	25	170	0.50	250
GDMI2012LR27□TF	0.270	20	25	150	0.50	250
GDMI2012LR33□TF	0.330	20	25	145	0.55	250
GDMI2012LR39□TF	0.390	25	25	135	0.65	200
GDMI2012LR47□TF	0.470	25	25	125	0.65	200
GDMI2012LR56□TF	0.560	25	25	115	0.75	150
GDMI2012LR68□TF	0.680	25	25	105	0.80	150
GDMI2012LR82□TF	0.820	25	25	100	1.00	150
GDMI2012M1R0□TF	1.000	45	10	75	0.40	50
GDMI2012M1R2□TF	1.200	45	10	65	0.50	50
GDMI2012M1R5□TF	1.500	45	10	60	0.50	50
GDMI2012M1R8□TF	1.800	45	10	55	0.60	50
GDMI2012M2R2□TF	2.200	45	10	50	0.65	30
GDMI2012M2R7□TF	2.700	45	10	45	0.75	30
GDMI2012M3R3□TF	3.300	45	10	41	0.80	30
GDMI2012M3R9□TF	3.900	45	10	38	0.90	30
GDMI2012M4R7□TF	4.700	45	10	35	1.00	30
GDMI2012N5R6□TF	5.600	50	4	32	0.90	15
GDMI2012N6R8□TF	6.800	50	4	29	1.00	15
GDMI2012N8R2□TF	8.200	50	4	26	1.10	15
GDMI2012N100□TF	10.000	50	2	24	1.15	15
GDMI2012N120□TF	12.000	50	2	22	1.25	15
GDMI2012N150□TF	15.000	30	1	19	0.80	5
GDMI2012N180□TF	18.000	30	1	18	0.90	5
GDMI2012N220□TF	22.000	30	1	16	1.10	5
GDMI2012N270□TF	27.000	30	1	14	1.15	5
GDMI2012N330□TF	33.000	30	0.4	13	1.25	5
GDMI2012Q390□TF	39.000	35	2	8.0	2.90	4
GDMI2012Q470□TF	47.000	35	2	7.5	3.00	4



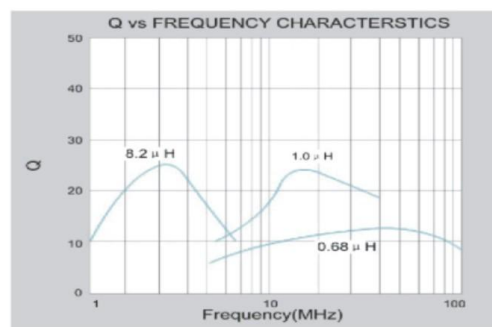
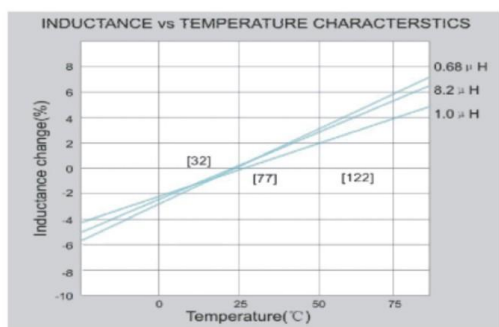
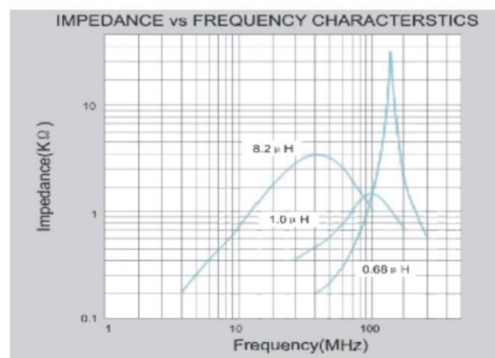
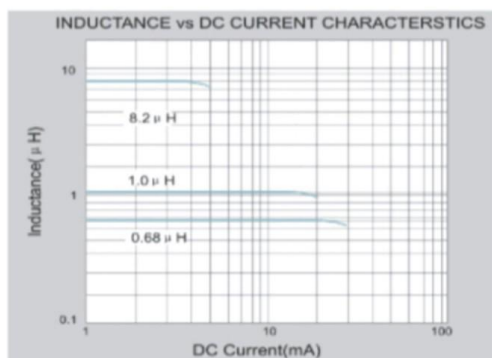
GDMI 3216系列

Part Number 型号	Ls (μ H)	Q值 /min	L、Q值频率 (MHz)	SRF(MHz) Min	DCR(Ω) Max	Ir(mA) Max
GDMI3216L47N□TF	0.047	20	50	320	0.15	300
GDMI3216L56N□TF	0.056	20	50	320	0.15	300
GDMI3216L68N□TF	0.068	20	50	280	0.25	300
GDMI3216LR10□TF	0.100	20	25	235	0.25	250
GDMI3216LR12□TF	0.120	20	25	220	0.30	250
GDMI3216LR15□TF	0.150	20	25	200	0.30	250
GDMI3216LR18□TF	0.180	20	25	185	0.40	250
GDMI3216LR22□TF	0.220	20	25	170	0.40	250
GDMI3216LR27□TF	0.270	20	25	150	0.50	250
GDMI3216LR33□TF	0.330	20	25	145	0.60	250
GDMI3216LR39□TF	0.390	25	25	135	0.60	250
GDMI3216LR47□TF	0.470	25	25	125	0.60	200
GDMI3216LR56□TF	0.560	25	25	115	0.70	150
GDMI3216LR68□TF	0.680	25	25	105	0.80	150
GDMI3216LR82□TF	0.820	25	25	100	0.90	150
GDMI3216M1R0□TF	1.000	45	10	75	0.40	100
GDMI3216M1R2□TF	1.200	45	10	65	0.50	100
GDMI3216M1R5□TF	1.500	45	10	60	0.50	50
GDMI3216M1R8□TF	1.800	45	10	55	0.50	50
GDMI3216M2R2□TF	2.200	45	10	50	0.60	50
GDMI3216M2R7□TF	2.700	45	10	45	0.60	50
GDMI3216M3R3□TF	3.300	45	10	41	0.70	50
GDMI3216M3R9□TF	3.900	45	10	38	0.80	50
GDMI3216M4R7□TF	4.700	45	10	35	0.90	50
GDMI3216N5R6□TF	5.600	50	4	32	0.70	25
GDMI3216N6R8□TF	6.800	50	4	29	0.80	25
GDMI3216M8R2□TF	8.200	50	4	26	0.90	25
GDMI3216N100□TF	10.000	50	2	24	1.00	25
GDMI3216N120□TF	12.000	50	2	22	1.05	15
GDMI3216N150□TF	15.000	35	1	19	0.70	5
GDMI3216N180□TF	18.000	35	1	18	0.70	5
GDMI3216N220□TF	22.000	35	1	16	0.90	5
GDMI3216N270□TF	27.000	35	1	14	0.90	5
GDMI3216N330□TF	33.000	35	0.4	13	1.05	5
GDMI3216N390□TF	39.000	40	2	11	3.00	5
GDMI3216N470□TF	47.000	40	2	10	3.40	5

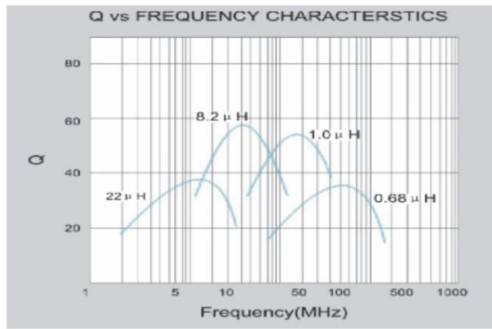
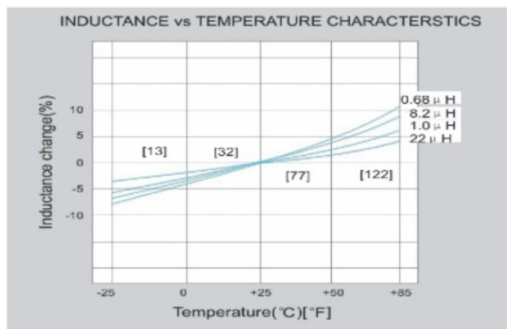
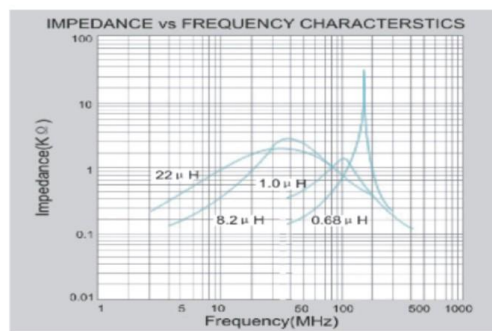
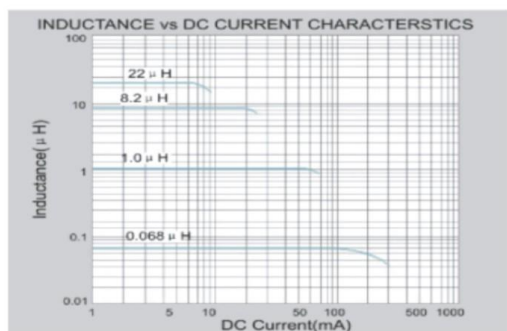
注：□为电感量偏差代号（S=±0.3nH；J=±5%；K=±10%；N=±30%）

电气特性 TYPICAL ELECTRICAL CHARACTERISTICS

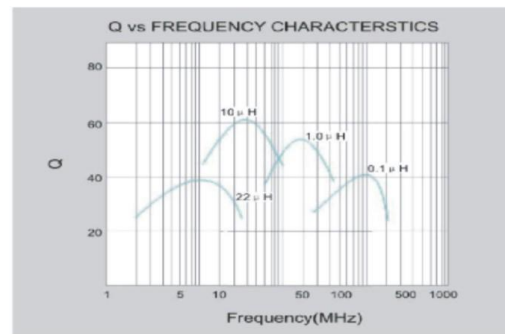
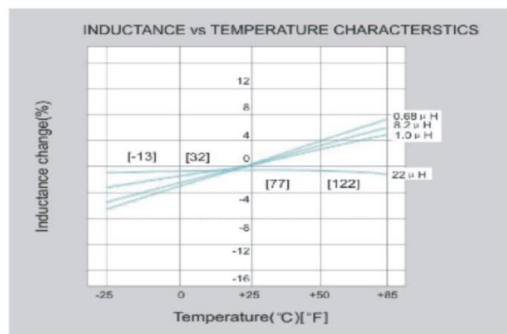
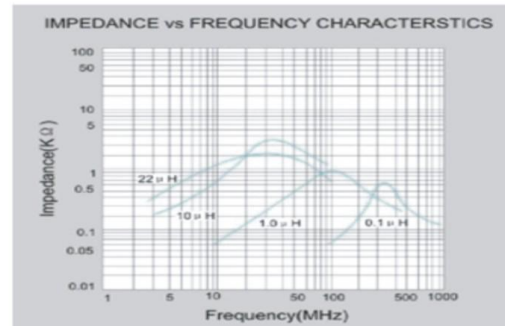
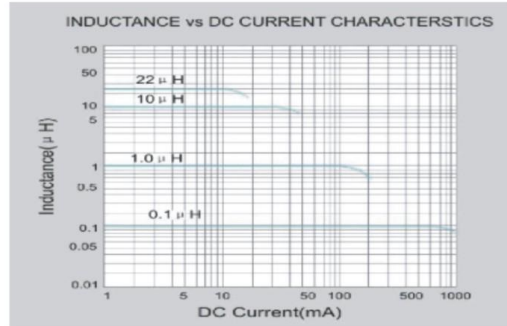
GDMI1005 (0402)



GDMI 1608 (0603)



GDMI 2012 (0805)



GDMI 3216(1206)

