



Electrical Characteristics 电气性能

MGFL 1608 (0603) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC(Ω) ±30%	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL1608F1R0□	1.0	1	125	0.15	360	900
MGFL1608F1R5□	1.5	1	109	0.18	260	625
MGFL1608F2R2□	2.2	1	90	0.25	240	600
MGFL1608F3R3□	3.3	1	70	0.30	190	525
MGFL1608F4R7□	4.7	1	50	0.38	170	500
MGFL1608F6R8□	6.8	1	40	0.41	135	400
MGFL1608F100□	10.0	1	33	0.55	120	400
MGFL1608F150□	15.0	1	20	0.9	75	220
MGFL1608F220□	22.0	1	15	1.0	70	200

MGFL 2012 (0805) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC(Ω) ±30%	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL2012F1R0□	1.0	1	75	0.15	550	1150
MGFL2012F1R5□	1.5	1	60	0.16	450	950
MGFL2012F2R2□	2.2	1	50	0.2	400	900
MGFL2012F3R3□	3.3	1	41	0.22	300	700
MGFL2012F4R7□	4.7	1	35	0.25	280	600
MGFL2012F6R8□	6.8	1	29	0.27	200	550
MGFL2012F100□	10.0	1	24	0.32	180	500
MGFL2012F150□	15.0	1	19	0.5	140	400
MGFL2012F220□	22.0	1	18	0.7	110	300

MGFL 2016 (0806) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC(Ω) ±30%	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL2016F1R0□	1.0	1	60	0.085	600	1400
MGFL2016F1R5□	1.5	1	50	0.11	500	1200
MGFL2016F2R2□	2.2	1	40	0.11	450	1200
MGFL2016F3R3□	3.3	1	30	0.12	400	1200
MGFL2016F4R7□	4.7	1	20	0.14	300	1100

## Multilayer Chip Ferrite Large Current Inductor 叠层片式铁氧体大电流电感

### MGFL 2520 (1008) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC( $\Omega$ ) $\pm 30\%$	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL2520F1R0□	1.0	1	60	0.1	800	1200
MGFL2520F1R5□	1.5	1	50	0.11	700	1100
MGFL2520F2R2□	2.2	1	40	0.12	600	1100
MGFL2520F3R3□	3.3	1	30	0.12	600	1100
MGFL2520F4R7□	4.7	1	20	0.14	500	1100

### MGFL 3216 (1206) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC( $\Omega$ ) $\pm 30\%$	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL3216F1R0□	1.0	1	90	0.10	1200	1600
MGFL3216F1R5□	1.5	1	75	0.12	1100	1500
MGFL3216F2R2□	2.2	1	58	0.15	1000	1300
MGFL3216F3R3□	3.3	1	49	0.20	870	1200
MGFL3216F4R7□	4.7	1	41	0.32	740	980
MGFL3216F6R8□	6.8	1	34	0.41	590	830
MGFL3216F100□	10.0	1	28	0.50	490	670

### MGFL 3225 (1210) Series

Part No.	L (uH)	LTest Freq. (MHz)	SRF(MHz) /min	RDC( $\Omega$ ) $\pm 30\%$	I <sub>r</sub> (mA)*1 /max	I <sub>r</sub> (mA)*2 /max
MGFL3225F1R0□	1.0	1	90	0.08	1500	1800
MGFL3225F1R5□	1.5	1	80	0.10	1300	1600
MGFL3225F2R2□	2.2	1	58	0.15	1100	1400
MGFL3225F3R3□	3.3	1	49	0.18	900	1300
MGFL3225F4R7□	4.7	1	41	0.22	800	1000
MGFL3225F6R8□	6.8	1	34	0.30	600	850
MGFL3225F100□	10.0	1	28	0.42	500	700

备注：额定电流 Rated Current

1.基于电感变化的标准值：因直流重叠的特性而使电感值比初始值下降 30%的电流值；

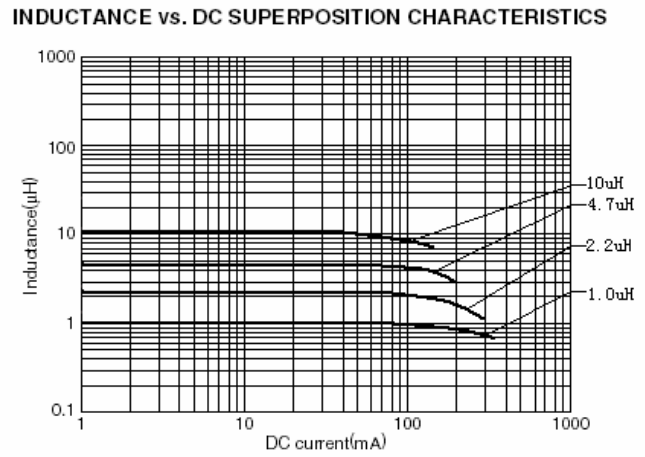
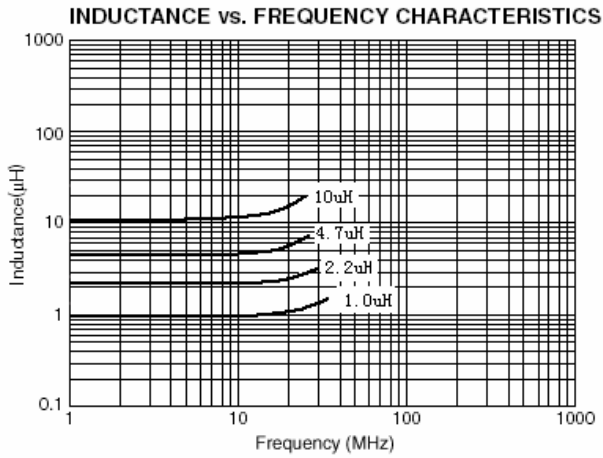
Rated current based on inductance variation: Current when inductance decreases by 30% of the initial value due to direct current superimposed characteristics.

2.基于产品表面温度上升的标准值：产品表面温度达到+40℃时的电流值；

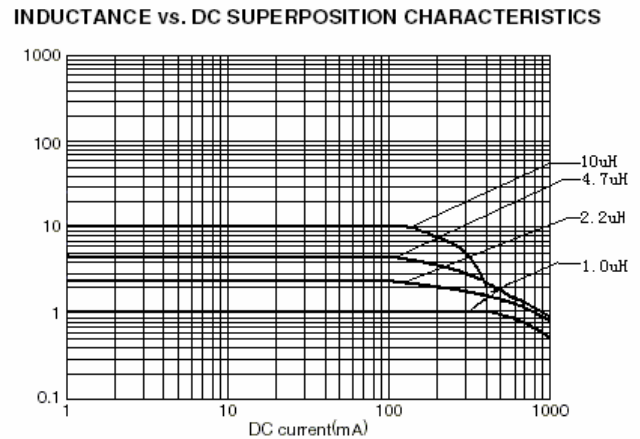
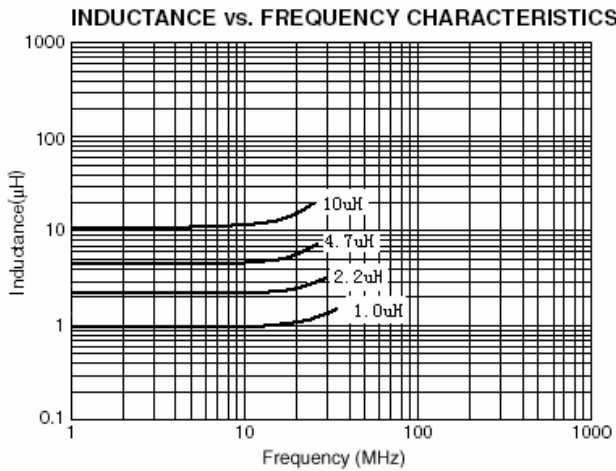
Rated current based on increasing product temperature: Current when temperature of the product reaches +40℃

Characteristic curve 特性曲线

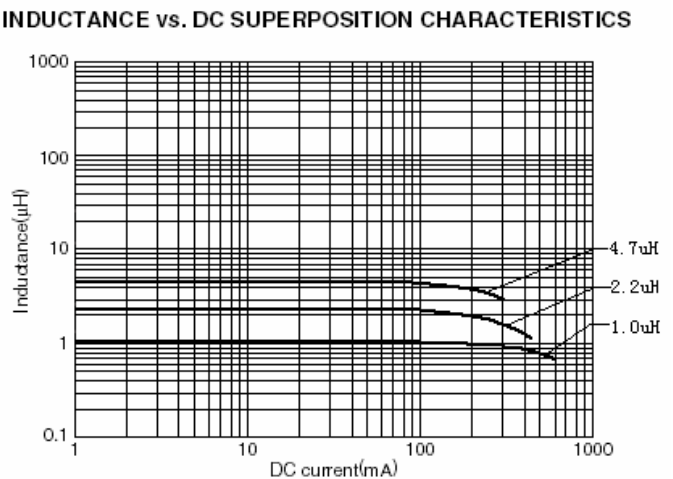
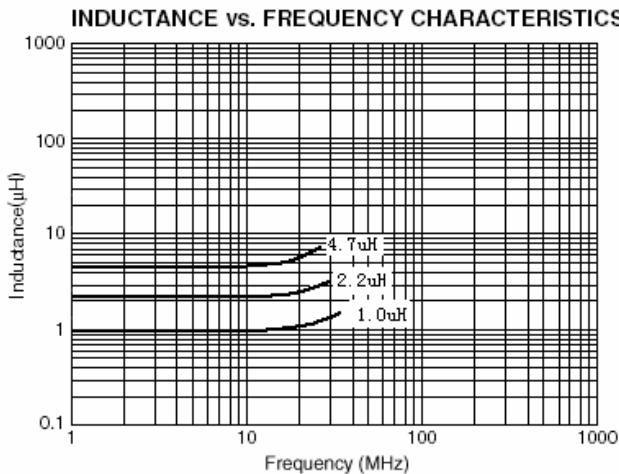
MGFL 1608(0603) Series



MGFL 2012(0805) Series

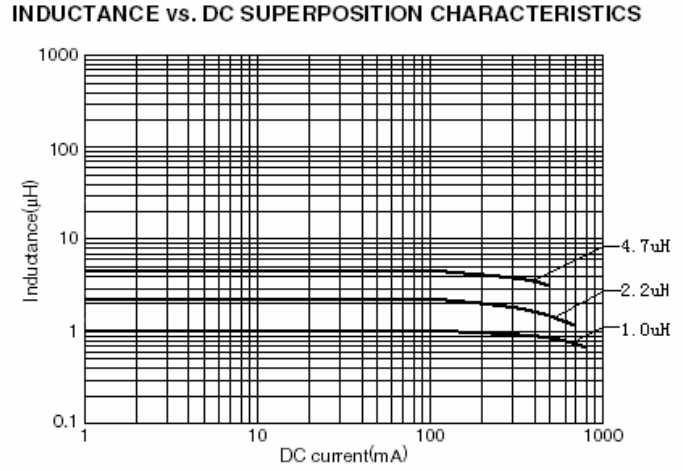
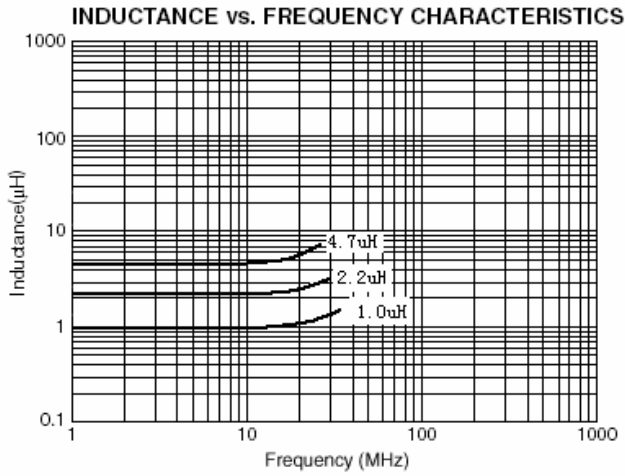


MGFL 2016(0806) Series

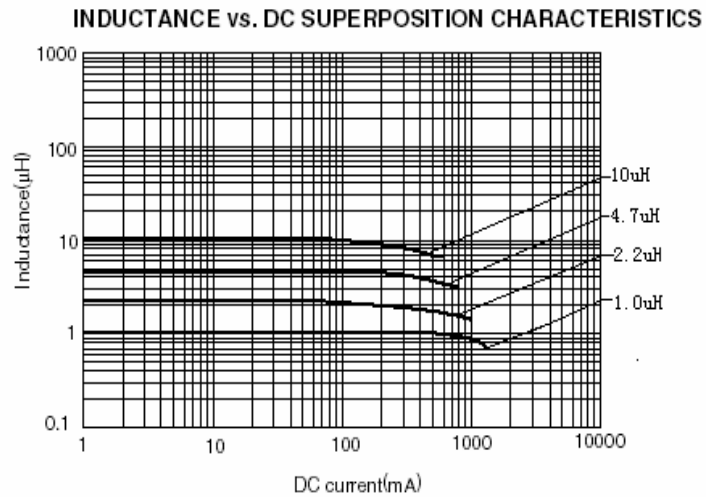
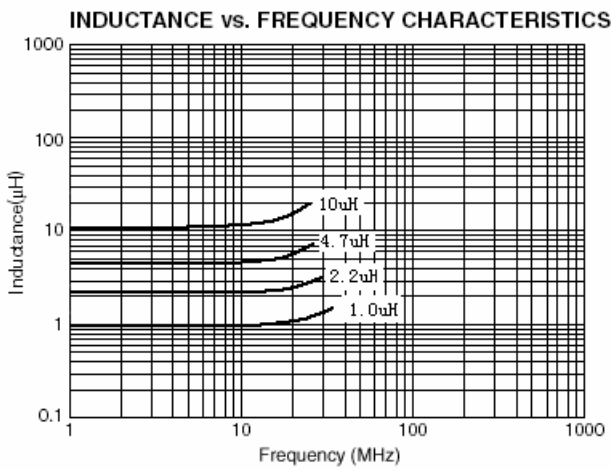


# Multilayer Chip Ferrite Large Current Inductor 叠层片式铁氧体大电流电感

## MGFL 2520(1008) Series



## MGFL 3216(1206) Series



## MGFL 3225(1210) Series

