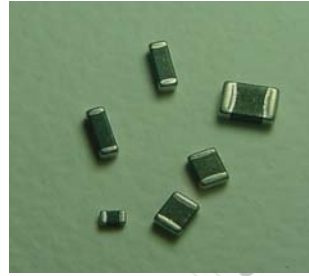


Multilayer Chip Inductors

Features

- Monolithic structure for high reliability.
- No cross coupling between inductors due to magnetic shield.
- Ideal for high density installation.
- Dimension are unified for automatic mounting
- Excellent solderability and high heat resistance for either flow or reflow soldering
- Closed magnetic circuit avoids crosstalk and is suitable for Density printed circuit boards.



Applications

- Personal or notebook computers and peripheral equipment (CD-ROM, Hard Disk, Modem, Printer).
- Other various electronic appliances.

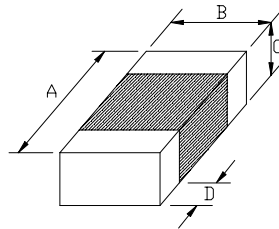
Part Number Systems

MI - 160808 - 47N - K - LF

(1) (2) (3) (4) (5)

(1)	Product series	(2)	Size
(3)	Inductance Value: 47N = 0.047uH	(4)	Inductance Tolerance:
(5)	ROHs Compliant		J = ± 5%, K = ± 10%, M = ± 20%,

Shape And Dimensions



Unit: mm

Type	A	B	C	D
160808	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.1 ~ 0.6

Multilayer Chip Inductors

MI-160808 (0603)-Series				ELECTRICAL CHARACTERISTICS				
Part Number	Inductance (μ H)	Tolerance	Q Min	L/Q Test	SRF (MHz) Min	Rdc (Ω)		Idc (mA) Max
				Freq.(MHz)		Max	Max	
MI-160808-47NM-LF	0.047	M	10	50	260	0.30	50	
MI-160808-68NM-LF	0.068	M	10	50	250	0.30	50	
MI-160808-82NM-LF	0.082	M	10	50	245	0.30	50	
MI-160808-R10M-LF	0.10	K, M	15	25	240	0.50	50	
MI-160808-R12M-LF	0.12	K, M	15	25	205	0.50	50	
MI-160808-R15M-LF	0.15	K, M	15	25	180	0.60	50	
MI-160808-R18M-LF	0.18	K, M	15	25	165	0.60	50	
MI-160808-R22M-LF	0.22	K, M	15	25	150	0.80	50	
MI-160808-R27M-LF	0.27	K, M	15	25	136	0.80	50	
MI-160808-R33M-LF	0.33	K, M	15	25	125	0.85	35	
MI-160808-R39M-LF	0.39	K, M	15	25	110	1.00	35	
MI-160808-R47M-LF	0.47	K, M	15	25	105	1.35	35	
MI-160808-R56M-LF	0.56	K, M	15	25	95	1.55	35	
MI-160808-R68M-LF	0.68	K, M	15	25	90	1.70	35	
MI-160808-R82M-LF	0.82	K, M	15	25	85	2.10	35	
MI-160808-1R0M-LF	1.0	K, M	35	10	75	0.60	25	
MI-160808-1R2M-LF	1.2	K, M	35	10	65	0.80	25	
MI-160808-1R5M-LF	1.5	K, M	35	10	60	0.80	25	
MI-160808-1R8M-LF	1.8	K, M	35	10	55	0.95	25	
MI-160808-2R2M-LF	2.2	K, M	35	10	50	1.15	15	
MI-160808-2R7M-LF	2.7	K, M	35	10	45	1.35	15	
MI-160808-3R3M-LF	3.3	K, M	35	10	40	1.55	15	
MI-160808-3R9M-LF	3.9	K, M	35	10	35	1.70	15	
MI-160808-4R7M-LF	4.7	K, M	35	10	33	2.10	15	
MI-160808-5R6M-LF	5.6	K, M	35	4	22	1.55	5	
MI-160808-6R8M-LF	6.8	K, M	35	4	20	1.70	5	
MI-160808-8R2M-LF	8.2	K, M	35	4	18	2.10	5	
MI-160808-100M-LF	10	K, M	30	2	17	1.85	3	
MI-160808-120M-LF	12	K, M	30	2	15	2.10	3	
MI-160808-150M-LF	15	K, M	20	1	14	1.70	1	

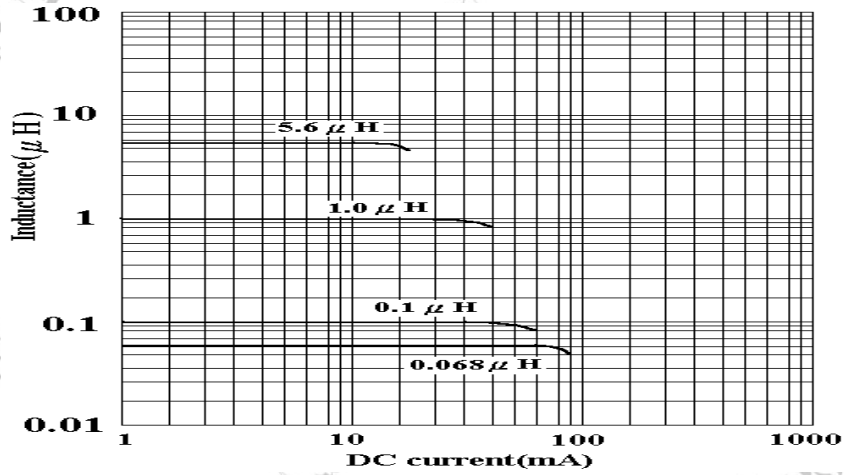
* All specifications are subjected to change without prior notice.

Multilayer Chip Inductors

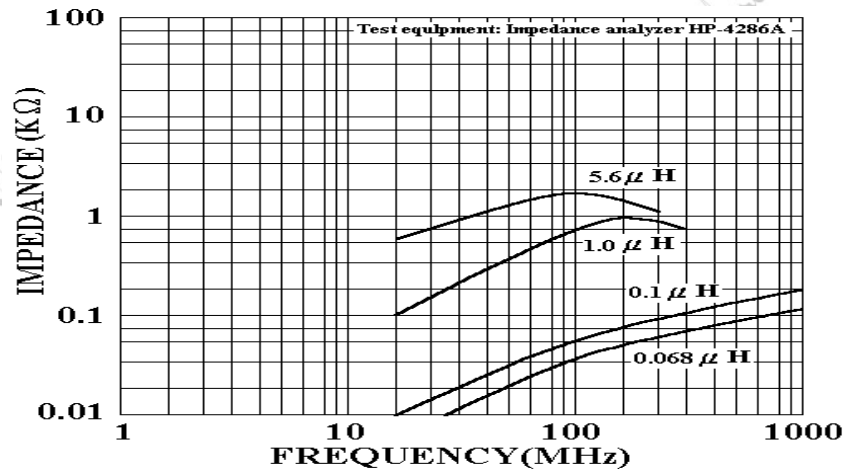
Typical Electrical Characteristics

❖ MI-160808 (0603)-Series

Inductance Vs. DC Superposition



Impedance Vs. Frequency Characteristics



Q Vs. Frequency Characteristics

