Chip Ferrite Inductor

Feature

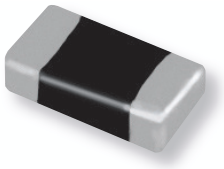
1. High Q in wide frequency
2. Good reliability in monolithic structure
3. Excellent solderability and suitable for flow and reflow soldering.
4. Lead and halogen free

Application

1. Resonance circuits, noise suppression, etc.
2. HDTV, portable device, computers and peripheral device.

Ordering Information

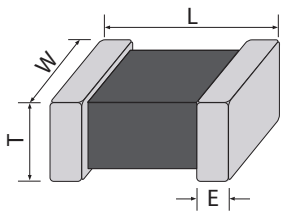
EFI	1608	1R0	K	P	N
1	2	3	4	5	6



1 ***Series Type***
2 ***Size(mm)*** : Length x Width
3 ***Inductance (uH)***
R means decimal point
Ex. : 1R0 ➞ 1uH, R10 ➞ 0.10 uH, 100 ➞ 10 uH
4 ***Tolerance :*** K:±10% M:±20%
5 ***Packing***
P- Embossed paper tape. (4,000 pcs / reel)
E - Embossed plastic tape. (3,000 pcs / reel)
6 ***Termination :*** Nickel barrier

Dimension

Size (EIA)	1608 (0603)	2012_09 (0805)	2012_12 (0805)
L	1.60±0.15	2.00±0.20	2.00±0.20
W	0.80±0.15	1.25±0.20	1.25±0.20
T	0.80±0.15	0.90±0.20	1.25±0.20
E	0.30±0.20	0.50±0.30	0.50±0.30



1608 size

Specification

Part Number	Inductance		Q (Min.)	L & Q Test Freq. (MHz)	DCR Max. (mΩ)	Rated Current Max. (mA)	SRF Min (MHz)	Pcs/Reel
	μH	Tolerance						
EFI-1608-R10KPN	0.10	±10%	15	25	600	50	240	4,000 pcs
EFI-1608-R12KPN	0.12		15	25	600	50	230	
EFI-1608-R15KPN	0.15		15	25	700	50	200	
EFI-1608-R18KPN	0.18		15	25	700	50	190	
EFI-1608-R22KPN	0.22		15	25	800	50	170	
EFI-1608-R27KPN	0.27		15	25	800	50	150	
EFI-1608-R33KPN	0.33		15	25	1000	35	140	
EFI-1608-R39KPN	0.39		15	25	1200	35	125	
EFI-1608-R47KPN	0.47		15	25	1200	35	120	
EFI-1608-R56KPN	0.56		15	25	1600	35	110	
EFI-1608-R68KPN	0.68		15	25	1700	35	100	
EFI-1608-R82KPN	0.82		15	25	2100	35	90	
EFI-1608-1R0KPN	1.0		35	10	700	25	80	
EFI-1608-1R2KPN	1.2		35	10	800	25	70	
EFI-1608-1R5KPN	1.5		35	10	800	25	65	
EFI-1608-1R8KPN	1.8		35	10	900	25	60	
EFI-1608-2R2KPN	2.2		35	10	1000	15	55	
EFI-1608-2R7KPN	2.7		35	10	1200	15	50	
EFI-1608-3R3KPN	3.3		35	10	1400	15	45	
EFI-1608-3R9KPN	3.9		40	10	1600	15	40	
EFI-1608-4R7KPN	4.7		40	10	1800	15	35	
EFI-1608-5R6KPN	5.6		40	4	1800	5	30	
EFI-1608-6R8KPN	6.8		40	4	1900	5	20	
EFI-1608-8R2KPN	8.2		40	4	2100	5	18	
EFI-1608-10RKPN	10		30	2	1900	3	17	

2012 size

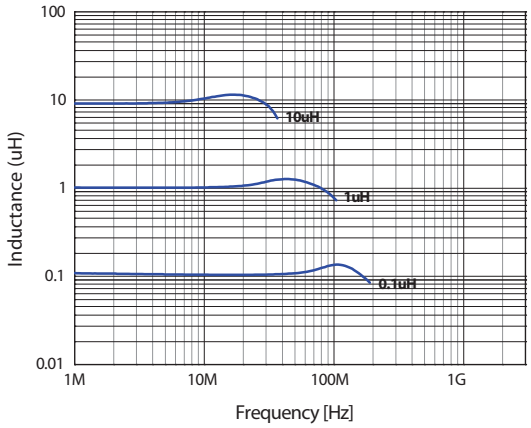
Specification

Part Number	Inductance		Q (Min.)	L & Q Test Freq. (MHz)	DCR Max. (mΩ)	Rated Current Max. (mA)	SRF Min (MHz)	Pcs/Reel
	μH	Tolerance						
EFI-2012-R10KPN	0.10	10%	20	25	400	250	250	4,000 pcs
EFI-2012-R12KPN	0.12		20	25	400	250	240	
EFI-2012-R15KPN	0.15		20	25	400	250	230	
EFI-2012-R18KPN	0.18		20	25	400	250	200	
EFI-2012-R22KPN	0.22		20	25	600	250	190	
EFI-2012-R27KPN	0.27		20	25	600	250	170	
EFI-2012-R33KPN	0.33		20	25	600	250	160	
EFI-2012-R39KPN	0.39		25	25	600	200	150	
EFI-2012-R47KPN	0.47		25	25	600	200	140	
EFI-2012-R56KPN	0.56		25	25	800	150	130	
EFI-2012-R68KPN	0.68		25	25	800	150	120	
EFI-2012-R82KPN	0.82		25	25	1000	150	110	
EFI-2012-1R0KPN	1.0		45	10	500	50	85	
EFI-2012-1R2KPN	1.2		45	10	500	50	75	
EFI-2012-1R5KPN	1.5		45	10	500	50	65	
EFI-2012-1R8KPN	1.8		45	10	600	50	60	
EFI-2012-2R2KPN	2.2		45	10	600	30	55	
EFI-2012-2R7KPN	2.7		45	10	800	30	50	
EFI-2012-3R3KPN	3.3		45	10	800	30	45	
EFI-2012-3R9KPN	3.9		45	10	900	30	44	
EFI-2012-4R7KPN	4.7		45	10	1000	30	41	
EFI-2012-5R6KEN	5.6		50	4	900	15	37	3,000 pcs
EFI-2012-6R8KEN	6.8		50	4	1000	15	34	
EFI-2012-8R2KEN	8.2		50	4	1100	15	30	
EFI-2012-10RKEN	10		50	2	1100	15	28	
EFI-2012-12RKEN	12		50	2	1200	15	25	
EFI-2012-15RKEN	15		35	1	900	5	21	
EFI-2012-18RKEN	18		35	1	1000	5	20	
EFI-2012-22RKEN	22		35	1	1200	5	18	

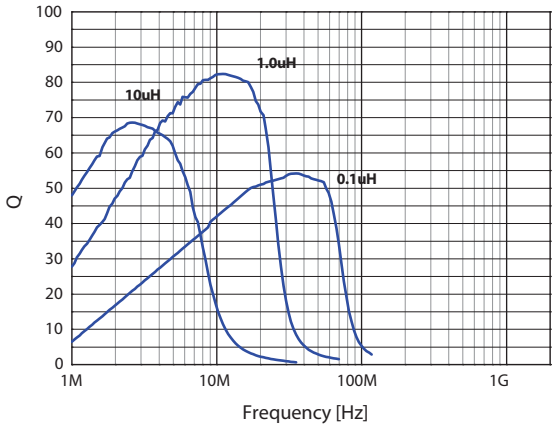
1608 size

Characteristics

Inductance characteristics



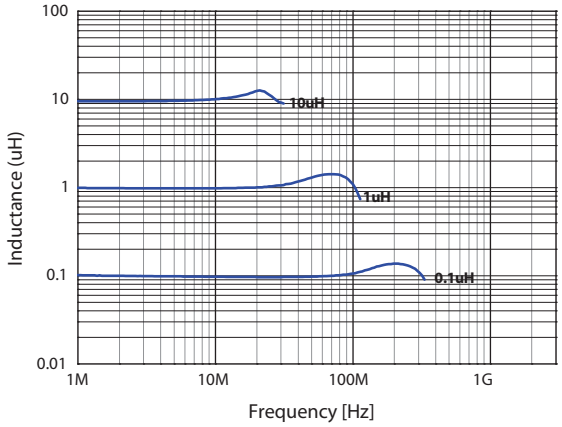
Q characteristics



2012 size

Characteristics

Inductance characteristics



Q characteristics