ML1608 Series

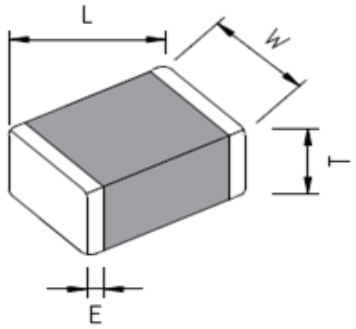
Features :

- Produced from magnetic material and with multilayer technology, not containing any wire windings.
- Dimensions are unified for automatic mounting.
- No cross coupling between inductors due to magnetic shield and is suitable for high density printed circuit boards.
- Monolithic structure for high reliability.
- Excellent solderability and high heat resistance for either flow or reflow soldering.
- Operating temperature range of -40°C to +85°C
- Storage temperature range of -10°C to +40°C

Applications :

- Circuit where a stable ground is unavailable.
- Various automotive electronics.
- Mother board, tablet PC, laptop, desktop computer and peripheral equipment.
- Digital communication equipment.
- Various electronic equipment.

Shapes And Dimensions : (Unit :mm)



L	W	T	E
1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.2~0.6

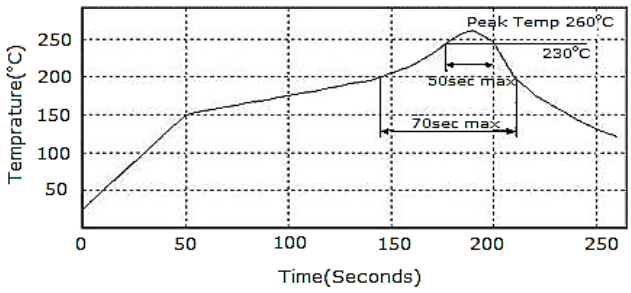
Part Number Code :

ML	1608	1N5	K	-E
①	②	③	④	⑤

1 : Product Series
2 : Dimensions L x W
3 : Inductance Value
4 : Inductance Tolerance
5 : Lead-Free

Reflow Profile :

Peak Temp : 260°C
Max time above 230°C 50sec
Max time above 200°C 70sec



ML1608 Series

Part No.	Inductance (μH)	Tolerance	Q Min.	Test Freq. (MHz)	SRF (GHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.	Thickness (mm)
ML1608-47N	0.047	M	10	50	260	0.30	50	0.8 ± 0.15
ML1608-68N	0.068	M	10	50	250	0.30	50	0.8 ± 0.15
ML1608-82N	0.082	M	10	50	245	0.30	50	0.8 ± 0.15
ML1608-R10	0.1	M / K	15	25	240	0.50	50	0.8 ± 0.15
ML1608-R12	0.12	M / K	15	25	205	0.50	50	0.8 ± 0.15
ML1608-R15	0.15	M / K	15	25	180	0.60	50	0.8 ± 0.15
ML1608-R18	0.18	M / K	15	25	165	0.60	50	0.8 ± 0.15
ML1608-R22	0.22	M / K	15	25	150	0.80	50	0.8 ± 0.15
ML1608-R27	0.27	M / K	15	25	136	0.80	50	0.8 ± 0.15
ML1608-R33	0.33	M / K	15	25	125	0.85	35	0.8 ± 0.15
ML1608-R39	0.39	M / K	15	25	110	1.00	35	0.8 ± 0.15
ML1608-R47	0.47	M / K	15	25	105	1.35	35	0.8 ± 0.15
ML1608-R56	0.56	M / K	15	25	95	1.55	35	0.8 ± 0.15
ML1608-R56K 0.1A	0.56	M / K	15	25	95	1.00	100	0.8 ± 0.15
ML1608-R68	0.68	M / K	15	25	90	1.70	35	0.8 ± 0.15
ML1608-R82	0.82	M / K	15	25	85	2.10	35	0.8 ± 0.15
ML1608-1R0	1	M / K	35	10	75	0.60	25	0.8 ± 0.15
ML1608-1R2	1.2	M / K	35	10	65	0.80	25	0.8 ± 0.15
ML1608-1R5	1.5	M / K	35	10	60	0.80	25	0.8 ± 0.15
ML1608-1R8	1.8	M / K	35	10	55	0.95	25	0.8 ± 0.15
ML1608-2R2	2.2	M / K	35	10	50	1.15	15	0.8 ± 0.15
ML1608-2R7	2.7	M / K	35	10	45	1.35	15	0.8 ± 0.15
ML1608-3R3	3.3	M / K	35	10	40	1.55	15	0.8 ± 0.15
ML1608-3R9	3.9	M / K	35	10	35	1.70	15	0.8 ± 0.15
ML1608-4R7	4.7	M / K	35	10	33	2.10	15	0.8 ± 0.15
ML1608-5R6	5.6	M / K	35	4	22	1.55	5	0.8 ± 0.15
ML1608-6R8	6.8	M / K	35	4	20	1.70	5	0.8 ± 0.15
ML1608-8R2	8.2	M / K	35	4	18	2.10	5	0.8 ± 0.15
ML1608-100	10	M / K	30	2	17	1.85	3	0.8 ± 0.15
ML1608-120	12	M / K	30	2	15	2.10	3	0.8 ± 0.15
ML1608-150	15	M / K	20	1	14	1.70	1	0.8 ± 0.15

Inductanc tolerance : N±30% M±20% L±15% K±10% J±5%