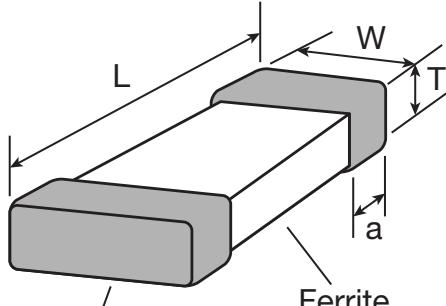


Multilayer Chip Inductors

Features

- No crosstalk between inductors due to magnetic shield
Perfect for high density installation
- Unified automatic chip mounting shape with no directionality
- Excellent solderability and high resistance for either flow or reflow soldering
- Monolithic structure for high reliability

Dimensions



Termination finish is 100% matte Tin (Sn) over Nickel (Ni)

SERIES	L	W	T	a
MLF 1608 (0603)	1.6 ± 0.15 (0.064 ± .006)	0.8 ± 0.15 (0.032 ± .006)	0.8 ± 0.15 (0.032 ± .006) 1.2 ± 0.2 (0.048 ± .008)	0.3 ± 0.2 (0.012 ± .008)
MLF 2012 (0805)	2.0 ± 0.2 (0.080 ± .008)	1.25 ± 0.2 (0.050 ± .008)	0.85 ± 0.2 (0.034 ± .008) 1.25 ± 0.2 (0.050 ± .008)	0.5 ± 0.3 (0.020 ± .012)
MLF 3216 (1206)	3.2 ± 0.2 (0.128 ± .008)	1.6 ± 0.2 (0.064 ± .008)	0.6 ± 0.2 (0.024 ± .008) 1.1 ± 0.2 (0.044 ± .008)	0.5 ± 0.3 (0.020 ± .012)

Operating Temperature Range	-40 to +85° C
Storage Temperature Range	-10 to +40° C

How To Order

MLF1608

Series

47N

Inductance Value

47N: 47nH (0.047µH)
R12: 0.12µH
1R0: 1µH

M

Tolerance

J: ± 5%
K: ± 10%
M: ± 20%
S: ± 0.3nH

T

Packaging
T: Tape

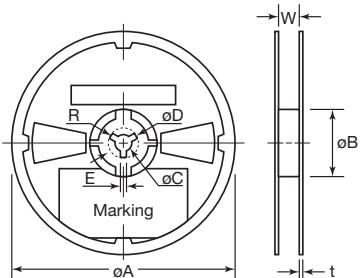
NOTE: All MLF series have Ferrite core.

Standard termination finish for this product is 100% matte Tin (Sn)

Please Note: Venkel offers Engineering Kits for this product. See page 117 for details.

All components in this section are RoHS compliant per the EU directives and definitions.

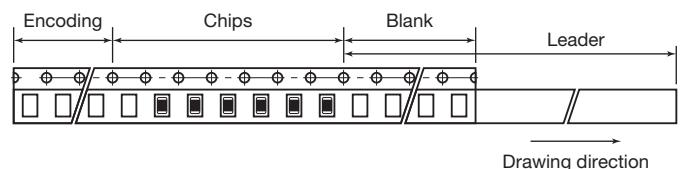
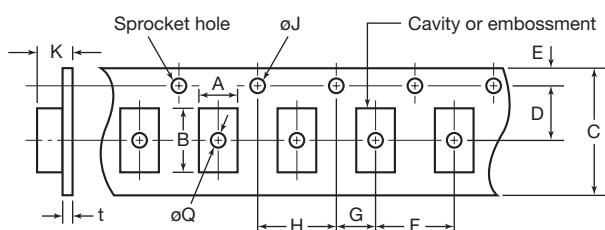
Reel Dimensions



Dimensions (unit = mm)

Series	Product's Thickness (mm)	Quantities (pieces)	Reel Dimensions (mm)				
			Taping (/reel)	øA	øB	øC	W
MLF 1608	0.8 ± .015	4000 (4mm pitch)	178 ± 2	60 ± 2	13 ± 0.5	10 ± 1.5	2.5 ± 0.2
	1.2 ± 0.2	2000 (4mm pitch)					
MLF 2012	0.85 ± 0.2	4000 (4mm pitch)	178 ± 2	60 ± 2	13 ± 0.5	10 ± 1.5	2.5 ± 0.2
	1.25 ± 0.2	2000 (4mm pitch)					
MLF 3216	0.6 ± 0.2	4000 (4mm pitch)	178 ± 2	60 ± 2	13 ± 0.5	10 ± 1.5	2.5 ± 0.2
	1.1 ± 0.3	2000 or 3000 (4mm pitch)					

Taping Dimensions



Tape Dimensions (unit = mm)

Series	Tape Dimensions (mm)											Tape Material	Taping Dimensions (mm)					
	A	B	C	D	E	F	G	H	øJ	K	t	øQ	Leader	Blank	Ending			
MLF 1608	1.1	1.9	8	3.5	1.75	4	2	4	1.5	1.1 max.	0.3	Paper	150 min.	80 min.	40 min.			
										2 max.								
MLF 2012	1.5	2.3	8	3.5	1.75	4	2	4	1.5	1.5 max.	0.3	Paper						
										2 max.								
MLF 3216	1.9	3.5	8	3.5	1.75	4	2	4	1.5	1.1 max.	0.3	Paper						
										2 max.								

All components in this section are RoHS compliant per the EU directives and definitions.