



**THE DATASHEET OF
MLH2012F22NKT000**

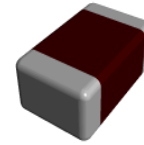


For High frequency
MLH2012
Multilayer Power Inductor

K tolerance

Features

Multilayer power inductor for High frequency.
Inductance is 22nH.
Completely lead-free product and support lead-free solder.



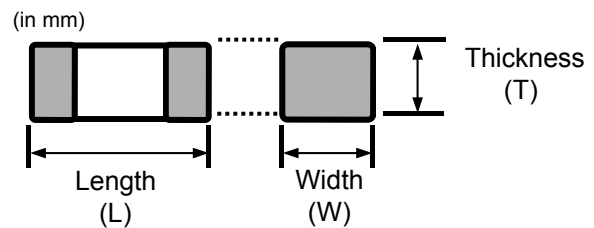
MLH series

Application

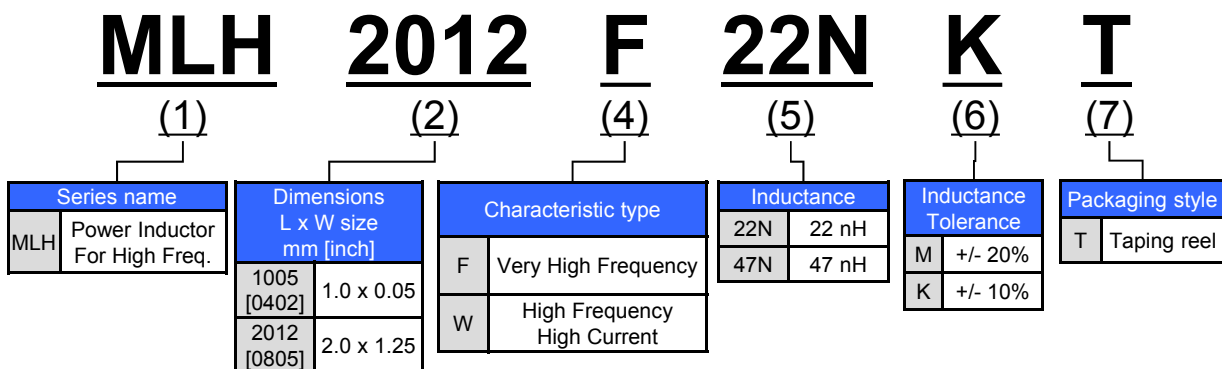
The choke coil of power circuit usage.
Especially, PA, mobile phone .

Dimensions

Series	L (mm)	W (mm)	T (mm)
MLH1005	1.0 +/-0.05	0.50 +/- 0.05	0.55 Max
MLH2012	2.0 +/- 0.20	1.25 +/- 0.20	0.95 Max



Product Identification

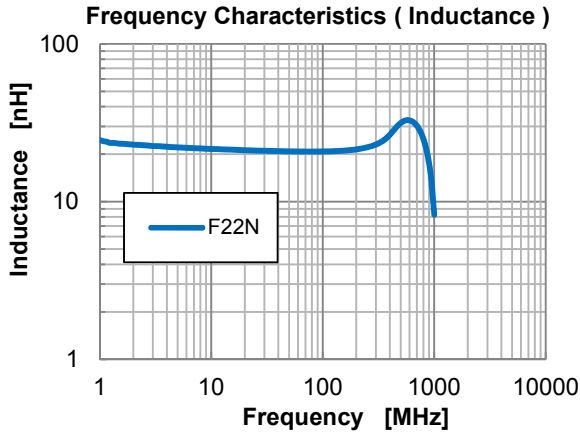


Electrical Characteristics

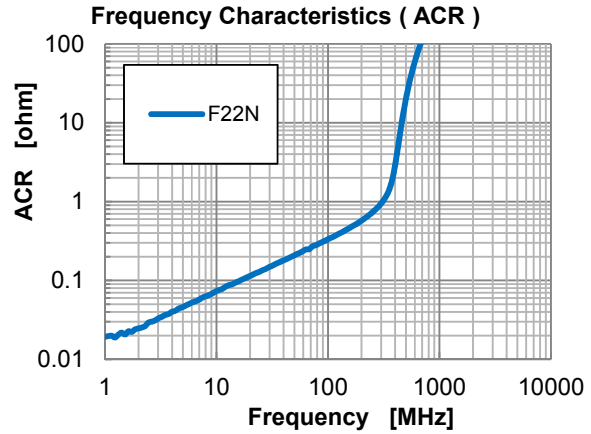
Case Size [mm]		type	Item	L [nH] +/- 10%	SRF [MHz] typ.	DCR [mOhm] +/-30%	Isat	Itemp
L x W	T						Typ.	Rated Current
2012	0.95 Max	Very High Frequency	MLH2012F22NK	22	1000	44	3.0	1.85

Isat : Depend on the Inductance Saturation. (-30% Reduction from Nominal value).
Itemp : Depend on the self temperature rise. (40deg.C Max.)

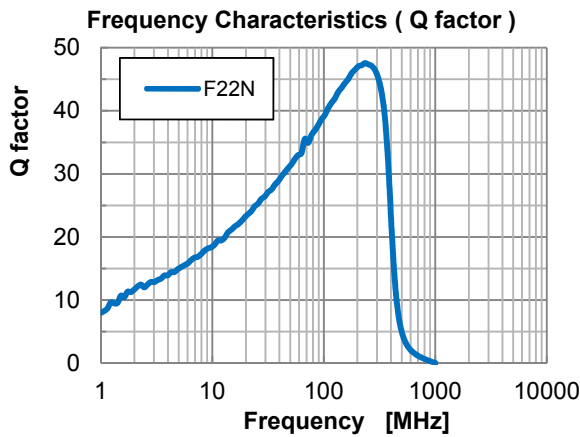
Frequency Characteristics
(Inductance)



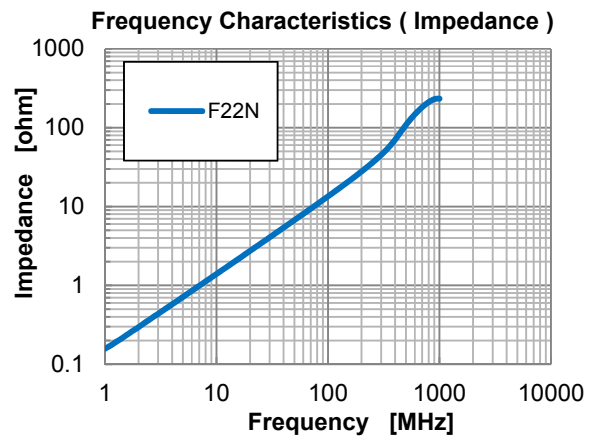
Frequency Characteristics
(AC Resistance)



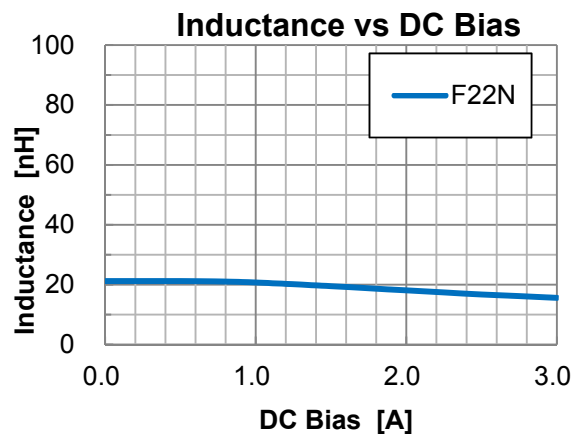
Frequency Characteristics
(Q factor)



Frequency Characteristics
(Impedance)

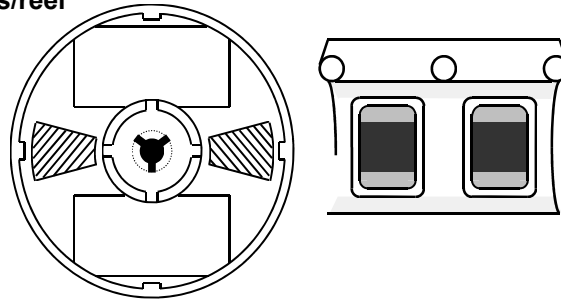


Inductance vs. DC Bias

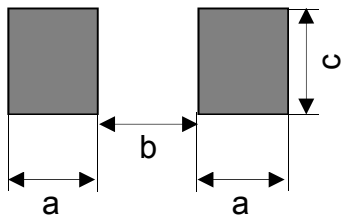


PACKAGING

- MLH1005 t=0.55 mm Max : 10,000 pcs/reel
- MLH1608 t=0.95 mm Max : 4,000 pcs/reel
- MLH2012 t=0.95 mm Max : 4,000 pcs/reel



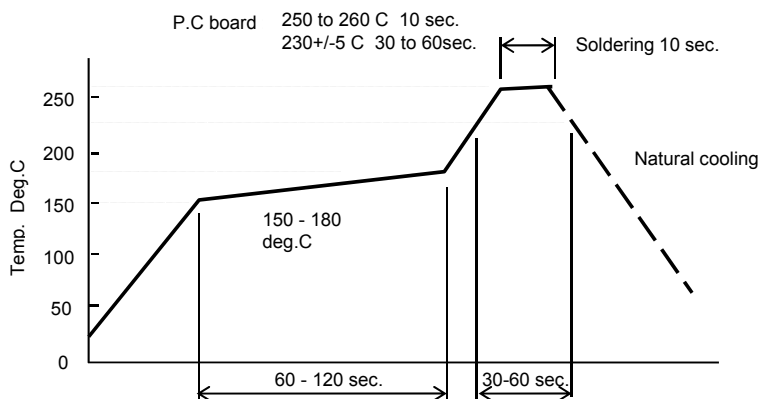
Recommended Land Pattern



(in mm)

Type	a	b	c
1005	0.5	0.4	0.5
1608	0.6	0.8	0.8
2012	0.8	1.0	1.2

RECOMMENDED SOLDERING CONDITION



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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- ⊖ [TDK Corporation Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
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