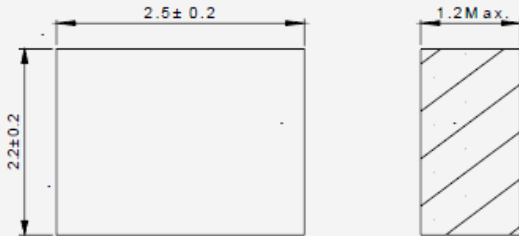




# Multilayer High Current Chip Beads

## ML2512D



- Size : 2.5x2.0x1.2 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned  
 Solderability : Reflow soldering  
 Delivery mode : Tape & reel packing  
 Packing unit : 3000 pcs/reel

INDUCTANCE (uH)	Tolerance	IDC (A) Max. (Typ.)	I <sub>rms</sub> (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.33	±20%	6.8 (8.5)	4.6	35	ML2512D-R33M-6.8A-LF
0.47		6.2 (7.8)	4.4	39	ML2512D-R47M-6.2A-LF
0.68		5.5 (6.5)	3.7	46	ML2512D-R68M-5.5A-LF
1.00		4.0 (5.0)	3.5	59	ML2512D-1R0M-4A-LF
1.50		3.4 (4.0)	2.7	70	ML2512D-1R5M-3.4A-LF
2.20		3.3 (3.8)	2.3	115	ML2512D-2R2M-3.3A-LF
3.30		2.5 (2.8)	2.1	158	ML2512D-3R3M-2.5A-LF
4.70		2.1 (2.7)	2.1	240	ML2512D-4R7M-2.1A-LF

- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.
- I<sub>rms</sub> DC current (A) that will cause an approximate ΔT of 40°C.
- I<sub>sat</sub> DC current (A) that will cause L to drop approximately 30%
- f<sub>L</sub> = 2.0MHz