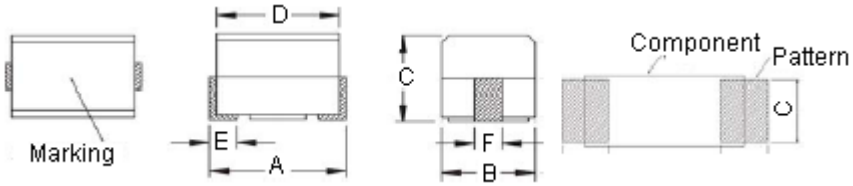
Inductor

Features:

- Resistant to mechanical shocks and pressures.
- Accurate dimensions for automatically surface mounted.
- This series is low resistance and high current, suitable for power line applications.
- VCRs, video cameras, automobile audio systems, computer products and peripherals, LCD TV, portable devices.
- T and R Quantity: 500 pieces, 7 reel inches.

RoHS Compliant

Mechanical Dimensions



Type	MCNL453232	
A	4.5 ±0.3 mm	-
B	3.2 ±0.2 mm	-
C	3.2 ±0.2 mm	-
D	4.2 ±0.2 mm	-
E	1 mm	(Ref.)
F	1.2 mm	

Electrical Characteristics of MCNL453232 Series

OCL (µH)	Q (Min.)	Test Frequency (MHz)	SRF (MHz) (Min.)	RDC (Ω) (Max.)	IDC (mA) (Max.)
0.1	35	25.2	300	0.18	800
0.15			250	0.22	730
0.27	40		180	0.26	635
0.39			150	0.3	575
0.47			145	0.32	545
0.56			140	0.36	520
0.68			135	0.4	500
1.5	50	7.96	70	0.6	410
2.2			60	0.7	380
2.7			50	0.75	370
3.3			45	0.8	355
3.9			40	0.9	330
5.6			33	1.1	300
6.8			27	1.2	285
8.2			25	1.4	270
10		2.52	20	1.6	250
15			17	2.5	200
27			12	3.6	170

Inductor

Electrical Characteristics of MCNL453232 Series

OCL (µH)	Q (Min.)	Test Frequency (MHz)	SRF (MHz) (Min.)	RDC(Ω) (Max.)	IDC (mA) (Max.)
33	50	2.52	11	4	160
56			9	5.5	135
68				6	130
100	40	0.796	8	8	110
150			5	9	105
180				9.5	102
270			4	12	92
330			3.5	14	85
390			3	18	80
680	30			30	50

Part Number Table

Description	Part Number
Inductor, 0.1µH, 800mA, 10%	MCNL453232-R10M
Inductor, 0.15µH, 770mA, 10%	MCNL453232-R15M
Inductor, 0.27µH, 635mA, 10%	MCNL453232-R27M
Inductor, 0.39µH, 575mA, 10%	MCNL453232-R39M
Inductor, 0.47µH, 545mA, 10%	MCNL453232-R47M
Inductor, 0.56µH, 520mA, 10%	MCNL453232-R56M
Inductor, 0.68µH, 500mA, 10%	MCNL453232-R68M
Inductor, 1.5µH, 410mA, 10%	MCNL453232-1R5K
Inductor, 2.2µH, 380mA, 10%	MCNL453232-2R2K
Inductor, 2.7µH, 370mA, 10%	MCNL453232-2R7K
Inductor, 3.3µH, 355mA, 10%	MCNL453232-3R3K
Inductor, 3.9µH, 330mA, 10%	MCNL453232-3R9K
Inductor, 5.6µH, 300mA, 10%	MCNL453232-5R6K
Inductor, 6.8µH, 285mA, 10%	MCNL453232-6R8K
Inductor, 8.2µH, 270mA, 10%	MCNL453232-8R2K
Inductor, 10µH, 250mA, 10%	MCNL453232-100K
Inductor, 15µH, 200mA, 10%	MCNL453232-150K
Inductor, 27µH, 170mA, 10%	MCNL453232-270K
Inductor, 33µH, 160mA, 10%	MCNL453232-330K
Inductor, 56µH, 135mA, 10%	MCNL453232-560K
Inductor, 82µH, 120mA, 10%	MCNL453232-820K
Inductor, 100µH, 110mA, 10%	MCNL453232-101K
Inductor, 150µH, 105mA, 10%	MCNL453232-151K
Inductor, 180µH, 102mA, 10%	MCNL453232-181K
Inductor, 270µH, 92mA, 10%	MCNL453232-271K
Inductor, 330µH, 85mA, 10%	MCNL453232-331K
Inductor, 390µH, 85mA, 10%	MCNL453232-391K
Inductor, 680µH, 50mA, 10%	MCNL453232-681K