

ML4532 SERIES – Multilayer Chip Inductors

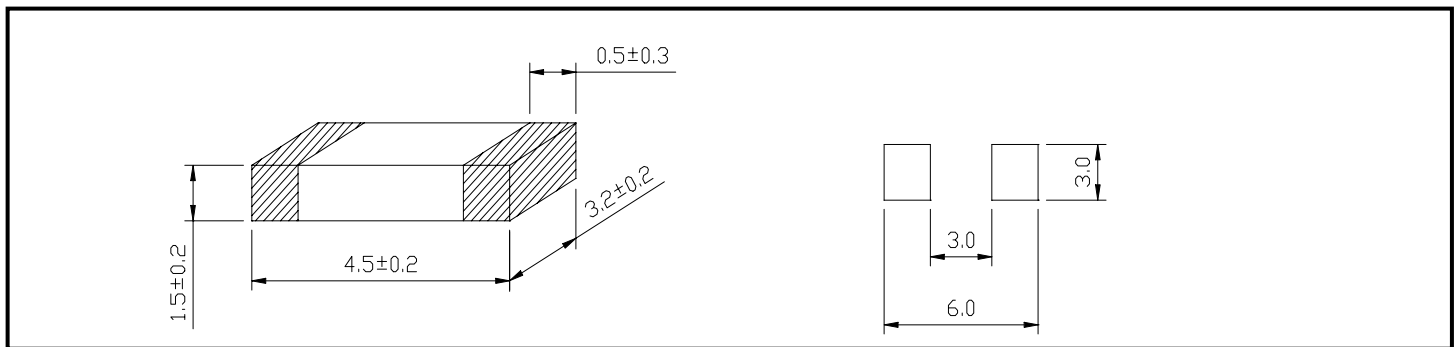


PART NUMBERING SYSTEM

ML	4 5 3 2	—	6 8 0 K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



FEATURES

1. Monolithic structure for high reliability .
2. Excellent solder ability and high heat resistance for either flow or reflow soldering .
3. Closed magnetic circuit avoids crosstalk and is suitable for high density printed circuit boards .

APPLICATION

1. Personal or notebook computers and peripheral equipment (CD-ROM , Hard Disk , Modem , Printers) .
2. Other various electronic appliances .

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Q. MIN.	L, Q TEST FREQUENCY (MHz)	SRF (MHz) MIN.	DCR (Ω) (max)	IDC(mA) (max)
ML4532-1R0K-LF	1.0 $\pm$ 10%	35	10	75	0.40	100
ML4532-1R2K-LF	1.2 $\pm$ 10%	35	10	65	0.50	100
ML4532-1R5K-LF	1.5 $\pm$ 10%	35	10	60	0.50	50

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ML4532-1R8K-LF	1.8 $\pm$ 10%	35	10	55	0.50	50
ML4532-2R2K-LF	2.2 $\pm$ 10%	35	10	50	0.60	50
ML4532-2R7K-LF	2.7 $\pm$ 10%	35	10	45	0.60	50
ML4532-3R3K-LF	3.3 $\pm$ 10%	35	10	41	0.70	50
ML4532-3R9K-LF	3.9 $\pm$ 10%	35	10	38	0.80	50
ML4532-4R7K-LF	4.7 $\pm$ 10%	35	10	35	0.90	50
ML4532-5R6K-LF	5.6 $\pm$ 10%	35	4	32	0.70	25
ML4532-6R8K-LF	6.8 $\pm$ 10%	40	4	29	0.70	25
ML4532-8R2K-LF	8.2 $\pm$ 10%	40	4	26	0.90	25
ML4532-100K-LF	10 $\pm$ 10%	40	1	24	1.00	25
ML4532-120K-LF	12 $\pm$ 10%	40	2	22	1.05	15
ML4532-150K-LF	15 $\pm$ 10%	35	1	19	0.70	5
ML4532-180K-LF	18 $\pm$ 10%	35	1	18	0.70	5
ML4532-220K-LF	22 $\pm$ 10%	35	1	16	0.90	5
ML4532-270K-LF	27 $\pm$ 10%	35	1	14	0.90	5
ML4532-330K-LF	33 $\pm$ 10%	35	0.4	13	1.05	5
ML4532-390K-LF	39 $\pm$ 10%	40	2	11	3.00	10
ML4532-470K-LF	47 $\pm$ 10%	40	2	10	3.40	10
ML4532-560K-LF	56 $\pm$ 10%	40	2	9.5	3.80	5
ML4532-680K-LF	68 $\pm$ 10%	40	1	9.5	3.00	5
ML4532-820K-LF	82 $\pm$ 10%	40	1	9	3.40	5
ML4532-101K-LF	100 $\pm$ 10%	40	1	8	3.80	5
ML4532-121K-LF	120 $\pm$ 10%	30	0.4	6	3.00	5
ML4532-151K-LF	150 $\pm$ 10%	30	0.4	5.5	3.40	3
ML4532-181K-LF	180 $\pm$ 10%	30	0.4	5	3.80	3
ML4532-221K-LF	220 $\pm$ 10%	30	0.4	4.5	4.20	3

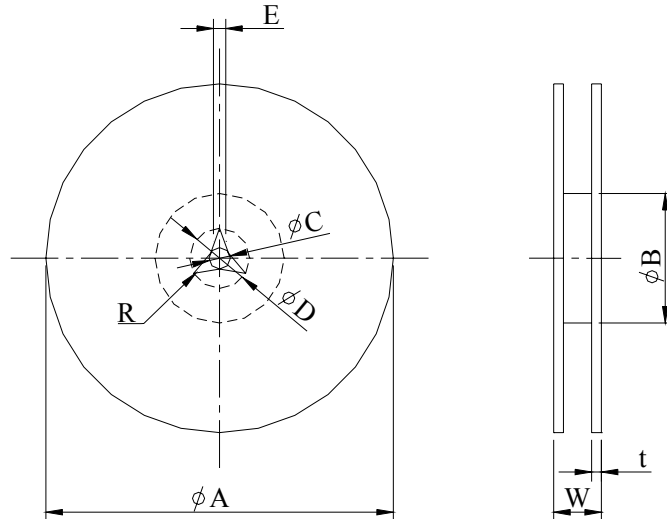
Note : inductance 1.0uH to 100uH thickness is 1.50 $\pm$ 0.3mm , inductance 120uH to 220uH thickness is 2.20 $\pm$ 0.3mm ,

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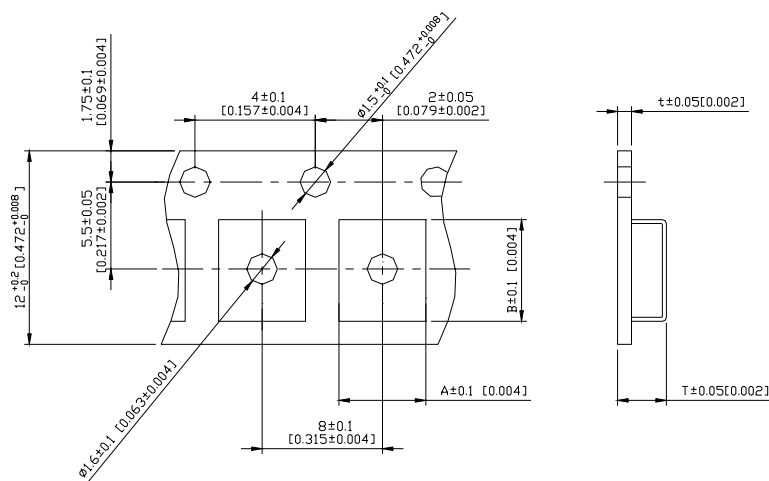


RoHS Compliant

PACKAGING SPECIFICATION



	A	B	C	D	E	W8	W12	t	R
T(ϕ 178mm) Reel	ϕ 178 $\pm$ 2	ϕ 60 $\pm$ 1	ϕ 13 $\pm$ 0.8	ϕ 21 $\pm$ 0.8	2	10 $\pm$ 1.5	14.5 $\pm$ 1.5	1.27 $\pm$ 0.2	1
T(ϕ 330mm) Reel	ϕ 330 $\pm$ 2	ϕ 100 $\pm$ 2	ϕ 13 $\pm$ 0.8	ϕ 21 $\pm$ 0.8	2	10 $\pm$ 1.5	14.5 $\pm$ 1.5	1.27 $\pm$ 0.2	1



TYPE	A	B	T	t	T(ϕ 178mm)	T(ϕ 330mm)
4532	3.60	4.90	2.05	0.3	1000 pcs/reel	-