

MTRL0510 Series Axial Inductor - 0510 Size

Webpage



Sample kit



Buy Online



Support



Tools



Features

- High permeability
- Smaller size inductor
- Wide inductance range
- High saturation core material

Product Image

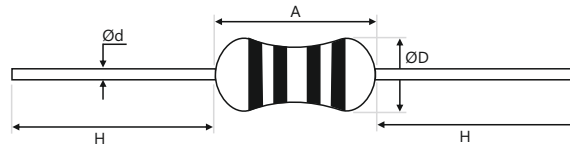


*Displayed image is only for reference purpose, original product may vary.

Applications

- BLDC
- EMI Filter
- LED Driver
- Energy Meters
- DC-DC Converters
- Switching Power Supplies

Dimensions



Ø D (mm)	A (mm)	Ø d (mm)	H (mm)
5	10.5	0.60 ± 0.05	20

Electrical Specifications

Part No.	Inductance (µH)	Q (Min)	RDC Ω (Max)	Test Frequency (MHz)	SRF (MHz) Min	Rated Current (mA) Max
MTRL05102R2	2.2	20	0.05	7.96	50	126
MTRL05103R3	3.3	20	0.06	7.96	50	126
MTRL05103R9	3.9	20	0.06	7.96	50	126
MTRL05104R7	4.7	20	0.06	7.96	45	900
MTRL05105R6	5.6	20	0.36	7.96	45	126
MTRL05106R8	6.8	20	0.36	7.96	45	126
MTRL0510100	10	60	0.45	7.96	30	126
MTRL0510220	22	60	0.65	2.52	8	450
MTRL0510330	33	60	0.65	0.796	1.9	126
MTRL0510470	47	60	0.65	0.796	1.9	126
MTRL0510680	68	60	0.74	0.796	1.9	126
MTRL0510820	82	20	0.82	2.52	3.8	330
MTRL0510101	100	30	0.75	2.52	3.5	300
MTRL0510121	120	20	1.2	0.796	3.3	250
MTRL0510151	150	20	1.8	0.796	3.2	225
MTRL0510181	180	20	2	0.796	2.8	200
MTRL0510221	220	30	2.1	0.796	2.6	180
MTRL0510271	270	30	2.5	0.796	2.4	170
MTRL0510331	330	30	3	0.796	2.2	160
MTRL0510391	390	30	3.5	0.796	2	150
MTRL0510471	470	60	7.7	0.796	1.9	126

Part No.	Inductance (µH)	Q (Min)	RDC Ω (Max)	Test Frequency (MHz)	SRF (MHz) Min	Rated Current (mA) Max
MTRL0510561	560	50	8.5	0.796	1.8	120
MTRL0510681	680	55	9	0.796	1.5	113
MTRL0510801	800	50	9.9	0.796	1.5	113
MTRL0510821	820	45	10.5	0.796	1.2	105
MTRL0510102	1000	45	14	0.252	1	100
MTRL0510122	1200	40	16.9	0.252	0.95	95
MTRL0510152	1500	40	21.6	0.252	0.9	90
MTRL0510182	1800	40	24	0.252	0.85	85
MTRL0510202	2000	40	30.2	0.252	1.9	80
MTRL0510222	2200	40	34.7	0.252	0.8	80
MTRL0510272	2700	40	40	0.252	0.75	75
MTRL0510302	3000	40	59.5	0.252	0.7	62
MTRL0510332	3300	40	59.5	0.252	0.7	62
MTRL0510392	3900	40	66	0.252	0.65	59
MTRL0510402	4000	40	74	0.252	0.6	55
MTRL0510472	4700	40	74	0.252	0.6	55
MTRL0510562	5600	30	80	0.252	0.5	40
MTRL0510682	6800	30	85	0.252	0.45	35
MTRL0510762	7600	30	95	0.252	0.4	30
MTRL0510822	8200	30	95	0.252	0.4	30
MTRL0510103	10000	25	105	0.0796	0.35	25
MTRL0510163	16000	25	155	0.0796	0.3	25
MTRL0510223	22000	20	315	0.0796	0.25	25

NOTE:

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