

MT810 Series Drum Inductor - 8 x 10 mm Size

Webpage



Sample kit



Buy Online



Support



Tools



Features

- High permeability
- Smaller size inductor
- Customization is possible
- High saturation core material
- Operating Temperature: -40 °C to +125 °C

Product Image

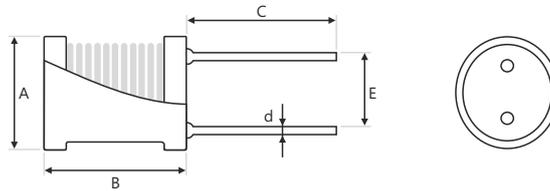


*Displayed image is only for reference purpose, original product may vary.

Applications

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

Dimensions



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
9.5 Max	15.5 Max	10 Min	0.65 ± 0.1	5.0 ± 0.5

Electrical Specifications

Part Number	Inductance (µH)	Tolerance	DCR (Ω)		I _{rms} (mA)	I _{sat} (mA)
			Typ	Max	ΔT 40 °C	L drop 30%
MT8101R0	1	±20%	0.009	0.013	8000	14000
MT8101R5	1.5	±20%	0.01	0.014	7500	12000
MT8102R2	2.2	±20%	0.011	0.015	7000	11000
MT8103R3	3.3	±20%	0.013	0.018	5400	7000
MT8104R7	4.7	±20%	0.016	0.019	5200	6800
MT8105R6	5.6	±20%	0.0165	0.023	5000	6200
MT8106R8	6.8	±20%	0.018	0.024	4700	5600
MT8108R2	8.2	±20%	0.0194	0.024	4500	5300
MT810100	10	±20%	0.022	0.028	4000	4200
MT810150	15	±20%	0.032	0.037	3300	2900
MT810220	22	±20%	0.04	0.045	3000	2400
MT810330	33	±20%	0.05	0.06	2700	2000
MT810470	47	±20%	0.073	0.085	2300	1700
MT810560	56	±20%	0.085	0.1	2100	1500
MT810680	68	±20%	0.105	0.12	1900	1300
MT810101	100	±10%	0.13	0.16	1400	1000
MT810221	220	±10%	0.34	0.38	1000	750
MT810331	330	±10%	0.45	0.52	850	650
MT810471	470	±10%	0.7	0.8	720	550
MT810680	680	±10%	0.91	1.1	600	420
MT810821	820	±10%	1.1	1.35	500	350
MT810102	1000	±10%	1.2	1.5	420	300
MT810222	2200	±10%	3	3.5	350	250
MT810472	4700	±10%	6.4	7.5	270	190
MT810103	10000	±10%	14	16	200	140

NOTE:

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