

A FEATURES

- Radial through-hole inductor in shielded construction
- Saturation current rating up to 14.0 Amps
- Inductance ratings from 1.3 to 100000 μ H
- Operating Temperature range from -40°C to +105°C (Including Self-heating)
- Custom design on request



B PART NUMBER SYSTEM

1MX 1112 - 100 M E
 ① ② ③ ④ ⑤

①	Series	②	Dimension Code (W*H) (mm)
1MX	Series Code		1112 (ϕ 11.0×12.0)
③	Inductance Code	④	Inductance Tolerance
e.g.	Calculation	M	\pm 20%
2R2	2.2 μ H		
100	$10 \times 10^0 \mu\text{H} = 10\mu\text{H}$	⑤	RoHS Compliant
101	$10 \times 10^1 \mu\text{H} = 100\mu\text{H}$		

C DRAWINGS AND DIMENSIONS

1MX1112	Schematic

XXX = Inductance value

D SPECIFICATIONS

Part Number	Inductance ¹		DCR ²		Irms(A) ³	Isat(A) ⁴	SRF _{typ.}
	μH	Tolerance	Typ.(Ω)	Max.(Ω)			MHz
1MX1112-1R3MF	1.3	±20%	0.0060	0.0070	8.50	14.0	100
1MX1112-2R2MF	2.2	±20%	0.0075	0.0088	8.20	10.0	75.0
1MX1112-3R3MF	3.3	±20%	0.0090	0.0106	7.50	8.00	58.0
1MX1112-4R7MF	4.7	±20%	0.0105	0.0122	6.90	6.00	48.0
1MX1112-6R8MF	6.8	±20%	0.0119	0.0139	6.40	5.00	42.0
1MX1112-100MF	10	±20%	0.0175	0.0220	5.10	4.20	40.0
1MX1112-220MF	22	±20%	0.0380	0.0480	3.70	3.00	26.0
1MX1112-330MF	33	±20%	0.0500	0.0610	3.60	2.80	10.0
1MX1112-470MF	47	±20%	0.0740	0.0880	3.00	2.50	9.00
1MX1112-101MF	100	±20%	0.1500	0.1900	1.60	1.40	4.90
1MX1112-221MF	220	±20%	0.2700	0.3200	1.30	1.00	2.80
1MX1112-331MF	330	±20%	0.4000	0.4800	1.00	0.80	2.00
1MX1112-471MF	470	±20%	0.5800	0.7000	0.85	0.50	1.80
1MX1112-102MF	1000	±20%	1.2000	1.5000	0.60	0.40	1.10
1MX1112-222MF	2200	±20%	2.2500	2.7000	0.40	0.30	0.78
1MX1112-332MF	3300	±20%	4.0000	4.8000	0.30	0.25	0.66
1MX1112-472MF	4700	±20%	6.3000	7.7000	0.25	0.20	0.56
1MX1112-682MF	6800	±20%	8.2000	10.000	0.24	0.18	0.54
1MX1112-473MF	47000	±20%	82.000	100.00	0.07	0.07	0.15
1MX1112-104MF	100000	±20%	175.00	210.00	0.05	0.05	0.09

1. Inductance measured @ 100KHz, 0.3V at 25°C temperature.

2. DCR measured @ 25°C.

3. Irms for an approximate 40°C rise from 25°C ambient temperature.

4. Isat for approximate 35% roll off at 25°C.

5. Specifications subject to change without notice please check our website for latest information.