



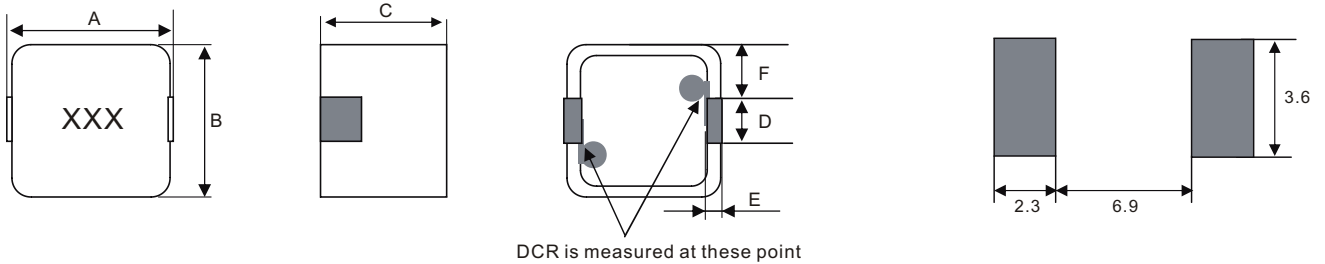
Features

- Magnetically shielded
- Recommended solder profile: Reflow
- Operating temperature: -40 to +125°C
- Excellent saturation characteristics

Application

- Filter choke for DC/DC converter
- Single and polyphase buck converter
- Filter choke for motor electronics

► Dimensions & Configurations (Unit:mm)



Type	A±0.4	B±0.3	C±0.3	D±0.2	E±0.2	F±0.5
MHCL1090	10.90	10.00	9.30	3.00	1.60	3.50

► Electrical Characteristics For MHCL1090 Series

Part Number	Inductance [uH]	Rated Current (typ.) [A]	I Sat (typ.) [A]	DCR(±10%) [Ω]	SRF (typ.) [MHz]
MHCL1090-R22M	0.22±20%	21.5	60.0	0.6	300
MHCL1090-R33M	0.33±20%	21.5	55.0	0.6	250
MHCL1090-R47M	0.47±20%	20.5	47.0	0.8	160
MHCL1090-R68M	0.68±20%	20.0	38.0	1.35	140
MHCL1090-R82M	0.82±20%	20.0	36.0	1.35	120
MHCL1090-1R0M	1.0±20%	20.0	27.5	1.35	100
MHCL1090-1R5M	1.5±20%	18.0	27.0	2.5	78
MHCL1090-2R2M	2.2±20%	16.5	22.0	3.7	80
MHCL1090-3R3M	3.3±20%	14.0	15.5	5.4	51
MHCL1090-4R7M	4.7±20%	13.0	15.0	8.2	49
MHCL1090-6R8M	6.8±20%	11.5	11.0	13.2	40
MHCL1090-8R2M	8.2±20%	11.5	8.0	13.2	36
MHCL1090-100M	10.0±20%	9.0	8.0	20.7	35