



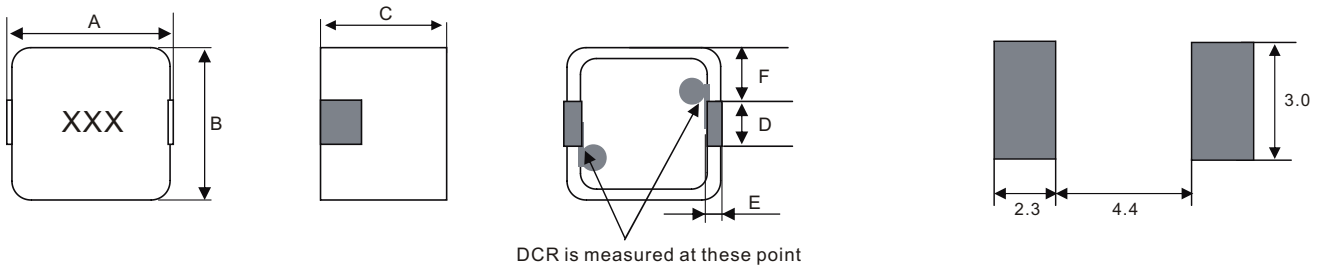
## Features

- 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
MHCL8070	8.40	7.90	7.20	2.30	1.50	2.75

## ► Electrical Characteristics For MHCL8070 Series

Part Number	Inductance [uH]	Rated Current (typ.) [A]	I Sat (typ.) [A]	DCR(±10%) [Ω]	SRF (typ.) [MHz]
MHCL8070-R30M	0.30±20%	20.5	36.0	1.40	272
MHCL8070-R47M	0.47±20%	19.0	32.0	1.72	232
MHCL8070-R68M	0.68±20%	19.0	23.5	1.72	181
MHCL8070-1R0M	1.0±20%	17.0	24.0	2.95	147
MHCL8070-1R5M	1.5±20%	16.5	18.5	4.4	120
MHCL8070-2R2M	2.2±20%	16.5	12.5	4.4	97
MHCL8070-3R3M	3.3±20%	14.0	8.5	6.5	81
MHCL8070-4R7M	4.7±20%	7.5	8.0	12.4	45
MHCL8070-6R8M	6.8±20%	5.5	7.5	22.2	37
MHCL8070-100M	10.0±20%	4.4	7.0	40.5	29