

MTSMPI07050 Series  
High Current Inductors - 07050 Size

Webpage



Sample kit



Buy Online



Support



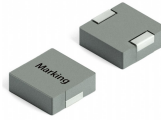
Tools



## Features

- High efficiency
- Low core losses
- Low loss realized with low Rdc
- Perfect for high current application
- Operating temperature: -40 °C to +125 °C

## Product Image

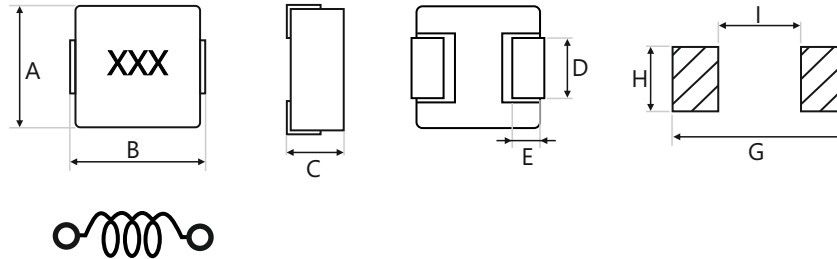


\*Displayed image is only for reference purpose, original product may vary.

## Applications

- Sepic converter
- High speed charger
- Power Supplies (SMPS)
- Battery Powered Equipments
- High density DC-DC converter

## Dimensions



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	I (mm)
6.6 ± 0.3	7.3 ± 0.3	5	3.3 ± 0.3	1.6	8.4	3.5	3.7

## Electrical Specifications

Part Number	Inductance (uH)	Tol.	RDC (mΩ) Typ.	RDC (mΩ) max.	Isat (A)	Irms (A)
MTSMPI07050R56	0.56	±20%	3.4	4.3	12	20
MTSMPI07050R68	0.68	±20%	4.2	4.5	11.5	18
MTSMPI07050R82	0.82	±20%	4.6	4.9	13	16.5
MTSMPI070501R0	1	±20%	5.6	6.5	15	12
MTSMPI070501R5	1.5	±20%	8.6	9	14.2	11.5
MTSMPI070502R2	2.2	±20%	11.1	12	14	8.9
MTSMPI070503R3	3.3	±20%	19.9	20.9	8	8
MTSMPI070504R7	4.7	±20%	28.9	30.3	7	6.5
MTSMPI070505R6	5.6	±20%	32.7	34.4	7	6
MTSMPI070506R8	6.8	±20%	42.5	44.6	5.5	5.5
MTSMPI070508R2	8.2	±20%	48.3	50.7	5	5
MTSMPI07050100	10	±20%	67.9	71.3	4.5	4.5
MTSMPI07050150	15	±20%	90	100	4.3	4.3
MTSMPI07050220	22	±20%	145	155	4	3.5
MTSMPI07050330	33	±20%	215	260	3.3	2.8
MTSMPI07050470	47	±20%	300	330	2.8	2.2
MTSMPI07050680	68	±20%	340	442	2	1.5
MTSMPI07050101	100	±20%	595	720	1.8	1.4

Test Equipment: CH1062A / CH1320

Measurement frequency: 100KHz, 1V

Measurement Ambient temperature: 25 °C

Irms: Average current for 40 °C temperature rise from 25 °C ambient (typical)

Isat: DC current at which the inductance drops 20% (typ) from its value without current

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