

MTHCSI7050 Series High Current Inductors - 7050 Size



Features

- Magnetically shielded
- High current & less loss
- Suitable for reflow soldering
- Low profile for machine placement
- Flat wire coil for low losses at high frequency
- Operating temperature: -40 °C to +125 °C

Product Image

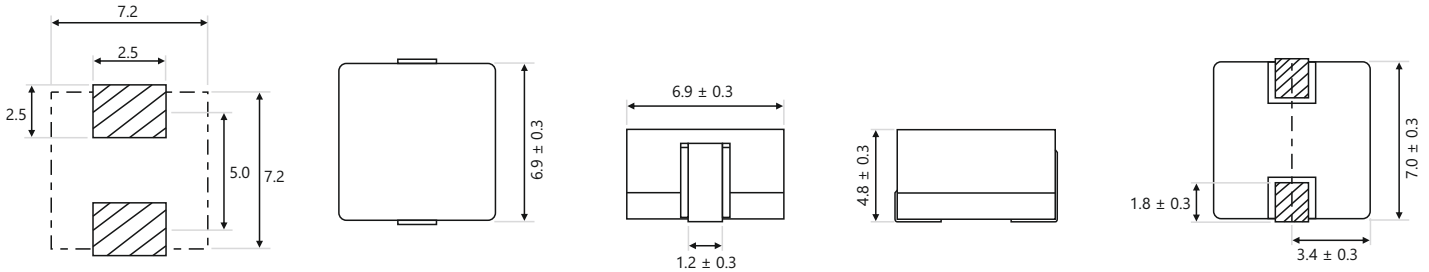


*Displayed image is only for reference purpose, original product may vary.

Applications

- MPPT Chargers
- Fast chargers
- DC-DC converter
- Power Supplies (SMPS)
- High current power lines
- Solar Charge Controllers

Dimensions



All Dimensions in mm

Electrical Specifications

Part Number	Inductance L (uH)	RDC (mΩ)		Isat (A)	Irms (A)
		Typ.	Max.		
MTHCSI7050R24	0.24 ± 20%	1	1.1	28	20
MTHCSI7050R47	0.47 ± 20%	1.35	1.49	20	18
MTHCSI7050R76	0.76 ± 20%	2.25	2.48	15	15.5
MTHCSI70501R1	1.1 ± 20%	3.15	3.47	13	15
MTHCSI70501R5	1.5 ± 20%	4.3	4.73	11	13
MTHCSI70502R0	2 ± 20%	5.85	6.44	9	11.5
MTHCSI70503R3	3.3 ± 20%	9	9.9	8	9
MTHCSI70504R9	4.9 ± 20%	14.5	15.95	6.5	6.5
MTHCSI70506R5	6.5 ± 20%	21.5	23.65	6	6
MTHCSI70507R6	7.6 ± 20%	30.2	33.22	4.8	4.2
MTHCSI70508R5	8.5 ± 20%	32.5	35.75	4.5	4
MTHCSI7050100	10 ± 20%	33	36.3	4	3.5

Measurement frequency: at 100KHz

Measurement ambient temperature: at 25°C

Packaging: Taping ; Quantity: 1000 pieces/reel

NOTE:

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