

MTHCSI1050 Series High Current Inductors - 1050 Size

Webpage



Sample kit



Buy Online



Support



Tools



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: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$

Product Image

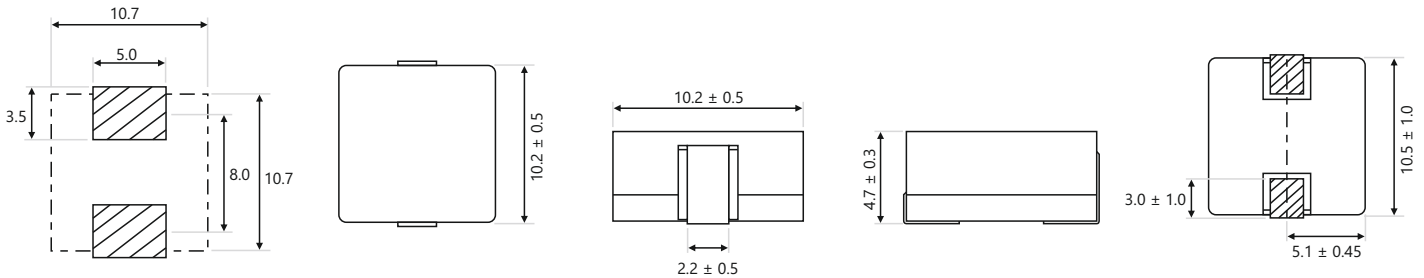


*Displayed image is only for reference purpose, original product may vary.

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.		
MTHCSI1050R16	$0.16 \pm 20\%$	0.51	0.56	58	25
MTHCSI1050R40	$0.4 \pm 20\%$	0.67	0.74	37	24
MTHCSI1050R72	$0.72 \pm 20\%$	1.3	1.43	35	22
MTHCSI10501R2	$1.2 \pm 20\%$	1.8	1.98	25	20
MTHCSI10501R8	$1.8 \pm 20\%$	3.5	3.85	18	16
MTHCSI10502R4	$2.4 \pm 20\%$	4.75	5.23	17	14
MTHCSI10503R3	$3.3 \pm 20\%$	5.9	6.49	15	12
MTHCSI10504R2	$4.2 \pm 20\%$	7.1	7.81	14	11
MTHCSI10505R5	$5.5 \pm 20\%$	10.3	11.33	12	10
MTHCSI10506R5	$6.5 \pm 20\%$	12.5	13.75	10	8.4
MTHCSI10507R8	$7.8 \pm 20\%$	13.6	14.96	9.5	8
MTHCSI1050100	$10 \pm 20\%$	16.3	17.93	8.5	7.2
MTHCSI1050160	$16 \pm 20\%$	34.5	37.95	6.5	5

Measurement frequency: at 100KHz
 Measurement ambient temperature: at 25°C
 Packaging: Taping ; Quantity: 700 pieces/reel

NOTE:

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