

MTHCSI1890 Series High Current Inductors - 1890 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 $+150\text{ }^{\circ}\text{C}$

Product Image

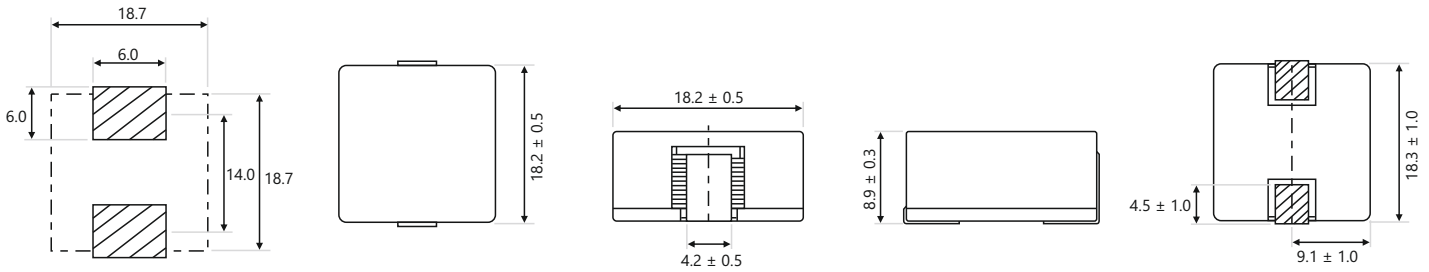


*Displayed image is only for reference purpose, original product may vary.

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.		
MTHCSI1890R82	$0.82 \pm 20\%$	0.54	0.58	65	41.5
MTHCSI18901R3	$1.3 \pm 20\%$	0.94	1.02	62	34.5
MTHCSI18901R9	$1.9 \pm 20\%$	1.2	1.3	52	32.5
MTHCSI18902R6	$2.6 \pm 20\%$	1.58	1.71	50	31.5
MTHCSI18903R5	$3.5 \pm 20\%$	3.1	3.35	37	22.5
MTHCSI18904R5	$4.5 \pm 20\%$	3.4	3.67	37	20.5
MTHCSI18905R6	$5.6 \pm 20\%$	3.7	4	33	19
MTHCSI18906R8	$6.8 \pm 20\%$	4.1	4.43	27	18.5
MTHCSI1890100	$10 \pm 20\%$	6.9	7.45	21.5	15
MTHCSI1890150	$15 \pm 20\%$	9.3	10.05	14	14
MTHCSI1890220	$22 \pm 20\%$	14.6	15.77	11	11
MTHCSI1890330	$33 \pm 20\%$	22.6	24.41	9	8.5
MTHCSI1890470	$47 \pm 20\%$	34	36.72	7	6.8

Measurement frequency: at 100KHz

Measurement ambient temperature: at 25°C

Packaging: Taping ; Quantity: 150 pieces/reel

NOTE:

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