

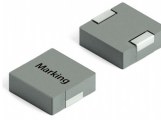
MTSMPI1365 Series High Current Inductors - 1365 Size



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

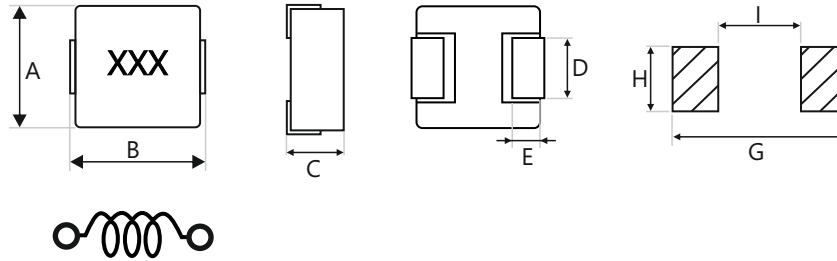


*Displayed image is only for reference purpose, original product may vary.

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)
12.6 ± 0.5	13.8 ± 0.5	6.5 max	3.5 ± 0.5	2.5 ± 0.5	14.5	4.5	8

Electrical Specifications

Part Number	Inductance, L (uH) @100KHz	DC Resistance (mΩ)		Rating	Saturation
		Typ.	Max.	Current (A)	Current (A)
MTSMPI1365R22	0.22	0.39	0.9	38	70
MTSMPI1365R36	0.36	0.75	1	36	65
MTSMPI1365R80	0.8	0.86	1.2	28	38
MTSMPI13651R0	1	1.8	2	25	36
MTSMPI13651R5	1.5	2.2	2.5	20	30
MTSMPI13652R2	2.2	4.7	6.1	17	26
MTSMPI13653R3	3.3	5.9	7.1	15	27
MTSMPI13655R6	5.6	9	12	12	24
MTSMPI13656R8	6.8	12	14.5	11.5	17.5
MTSMPI13657R8	7.8	13.5	17	10	17
MTSMPI1365100	10	15	18	8	12
MTSMPI1365220	22	33.5	36	5	8
MTSMPI1365330	33	48	57	4	6
MTSMPI1365470	47	57.5	75	5	7
MTSMPI1365560	56	74	95	3	4.5
MTSMPI1365680	68	113	148	3	6
MTSMPI1365820	82	170	205	2.8	5
MTSMPI1365101	100	240	310	2.5	4
MTSMPI1365151	150	231	280	2	3

NOTE:

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