

MTTSC201610 Series Tiny Shielded Coils - 201610 Size



Features

- Robust construction
- High mechanical stability
- Low profile and small size
- Magnetically shielded structure to accomplish high resolution in EMC protection
- Low DC resistance to achieve high conversion efficiency and lower temperature rising
- Operating Temperature: -40°C ~ +125°C

Product Image

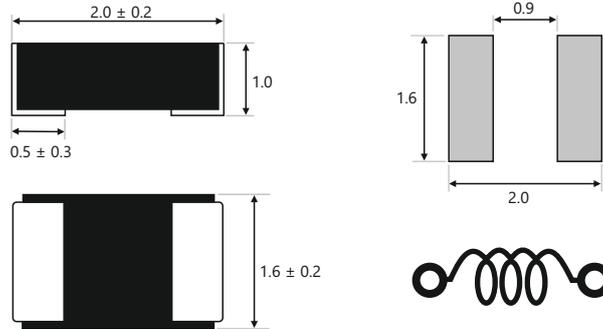


*Displayed image is only for reference purpose, original product may vary.

Applications

- Smart phone, PAD
- DC-DC Converters
- Portable Chargers
- Power Supplies (SMPS)
- Thin-type power supply module

Dimensions



All Dimensions in mm

Electrical Specifications

Part Number	Inductance L(μ H)	DCR ($m\Omega$) $\pm 30\%$		Isat (A)		Irms (A)	
		Typ.	Max.	Typ.	Max.	Typ.	Max.
MTTSC201610R24	0.24	17	21	5.6	5.05	5	4.5
MTTSC201610R33	0.33	24	29	5	4.5	4.1	3.69
MTTSC201610R47	0.47	33	40	4.4	4	3.5	3.15
MTTSC201610R68	0.68	41	49	3.7	3.33	3.4	3.06
MTTSC201610R10	1	60	69	2.9	2.61	2.6	2.26
MTTSC201610R5	1.5	114	137	2.5	2.25	1.9	1.65
MTTSC201610R2	2.2	135	150	1.9	1.71	1.7	1.5

Note:
All test referenced to 26 ambient
Inductance tolerance +/- 20%
Test frequency at 1MHz
Isat means that DC current will cause a 30% inductance reduction from initial value
Irms means that DC current will cause coil temp. rising to 40 whichever is smaller

NOTE:
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