



## MTSKU1045 Series SMD Power Inductors - 1045 Size



### Features

- Magnetically Shielded
- High Saturation current
- High Temperature stability
- Suitable for reflow soldering
- Strong terminal strength due to its better ferrite material
- Operating temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

### Product Image

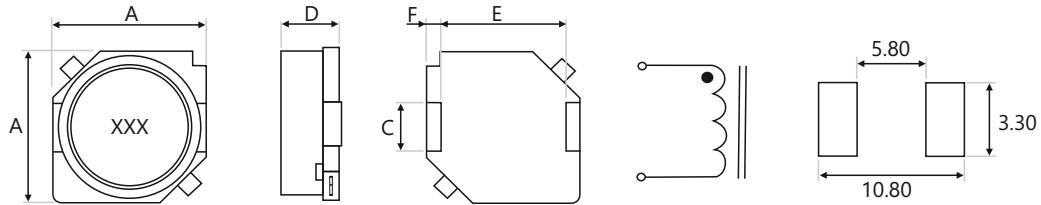


\*Displayed image is only for reference purpose, original product may vary.

### Applications

- LED Drivers
- DC-DC converter
- BLDC Controllers
- SEPIC Converters
- Power Supplies (SMPS)
- High frequency charger
- Vehicle Tracking Systems
- Battery Powered Equipments

### Dimensions



A (mm)	C (mm)	D (mm)	E (mm)	F (mm)
10.1 $\pm$ 0.20	3 ref	4.50 $\pm$ 0.30	5 ref	2 ref

### Electrical Specifications

Part Number	L(uH)	Tolerance	DCR ( $\Omega \pm 20\%$ )	IDC (A) (Max)
MTSKU1045100	10	$\pm 20\%$	0.0384	2.5
MTSKU1045150	15	$\pm 20\%$	0.0472	2.2
MTSKU1045220	22	$\pm 20\%$	0.0591	1.9
MTSKU1045330	33	$\pm 20\%$	0.0815	1.6
MTSKU1045470	47	$\pm 20\%$	0.1	1.4
MTSKU1045680	68	$\pm 20\%$	0.14	1.2
MTSKU1045101	100	$\pm 20\%$	0.2	1
MTSKU1045151	150	$\pm 20\%$	0.35	0.79
MTSKU1045221	220	$\pm 20\%$	0.47	0.65
MTSKU1045331	330	$\pm 20\%$	0.68	0.54
MTSKU1045471	470	$\pm 20\%$	1.03	0.47
MTSKU1045681	680	$\pm 20\%$	1.5	0.38
MTSKU1045102	1000	$\pm 20\%$	2.8	0.29
MTSKU1045152	1500	$\pm 20\%$	3.4	0.22

NOTE:

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