

MTSKU7045 Series  
SMD Power Inductors - 7045 Size

Webpage



Sample kit



Buy Online



Support



Tools



## 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 °C to +125 °C

## Product Image

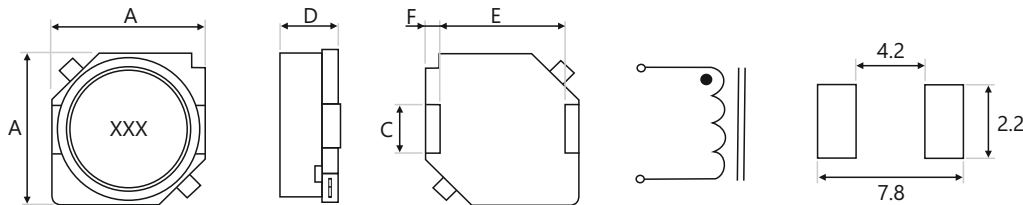


\*Displayed image is only for reference purpose, original product may vary.

## 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)
7.00±0.20	2.00±0.10	4.50±0.30	4 ref	1.2 ref

## Electrical Specifications

Part Number	L(uH)	Tolerance	DCR ( $\Omega \pm 20\%$ )	IDC (A) (MAX)
MTSKU70453R3	3.3	±20%	0.02	2.5
MTSKU70454R7	4.7	±20%	0.03	2
MTSKU70456R8	6.8	±20%	0.039	1.7
MTSKU7045100	10	±20%	0.04	1.3
MTSKU7045150	15	±20%	0.054	1.1
MTSKU7045220	22	±20%	0.08	0.9
MTSKU7045330	33	±20%	0.13	0.82
MTSKU7045470	47	±20%	0.16	0.75
MTSKU7045680	68	±20%	0.2	0.6
MTSKU7045101	100	±20%	0.3	0.5
MTSKU7045151	150	±20%	0.48	0.4
MTSKU7045221	220	±20%	0.8	0.33
MTSKU7045331	330	±20%	1.1	0.25
MTSKU7045471	470	±20%	1.6	0.22
MTSKU7045681	680	±20%	2	0.2
MTSKU7045102	1000	±20%	2.5	0.14

## NOTE:

This land pattern is for reference purposes only. Consult your manufacturing group to ensure your company's manufacturing guidelines are met. Magno Teknik owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of Magno Teknik's product/patent coverage may be accessed at [www.magnoteknik.com](http://www.magnoteknik.com). Magno Teknik reserves the right to make changes without further notice to any products herein. Magno Teknik makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Magno Teknik assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using Magno Teknik products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by Magno Teknik. "Typical" parameters which may be provided in Magno Teknik data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Magno Teknik does not convey any license under its patent rights nor the rights of others. Magno Teknik products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use Magno Teknik products for any such unintended or unauthorized application, Buyer shall indemnify and hold Magno Teknik and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Magno Teknik was negligent regarding the design or manufacture of the part. Magno Teknik is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.