

# OWIB7045C

## High saturation inductor



### Description

Inductor

### Features

RoHS, Halogen Free and REACH Compliance  
Magnetic shielded  
Various package size and wide inductance range

### Applications

AP Routers  
STBs  
LCD TVs and monitors  
Game consoles  
LED lightings  
DC/DC converters

## Characteristics

Test Voltage	0.25V
Parameters Test Temp	25°C
Operation Temp (Incl temp rise)	-40°C to +125°C
Storage Temp	3 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	<b>L drops off 35% typ at Isat</b>
Temperature rise	40°C typ. at Irms

Product ID	Inductance [uH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWIB7045C-1R0	1.00	18.00	3.50	3,8					-
OWIB7045C-2R2	2.20	22.80	3.00	3,2					-
OWIB7045C-3R3	3.30	24.00	2.50	2,3					-
OWIB7045C-4R7	4.70	36.00	2.00	2,1					-
OWIB7045C-6R8	6.80	46.80	1.70	1,74					-
OWIB7045C-100	10.00	50.40	1.30	1,48					-
OWIB7045C-150	15.00	62.40	1.10	1,32					-
OWIB7045C-220	22.00	73.20	0.90	1,28					-
OWIB7045C-330	33.00	116.00	0.82	1,09					-
OWIB7045C-470	47.00	150.00	0.75	0,92					-
OWIB7045C-680	68.00	210.00	0.60	0,77					-
OWIB7045C-101	100.00	300.00	0.50	0,65					-
OWIB7045C-151	150.00	408.00	0.40	0,55					-
OWIB7045C-221	220.00	624.00	0.33	0,45					-
OWIB7045C-331	330.00	888.00	0.25	0,37					-
OWIB7045C-471	470.00	1260.00	0.22	0,31					-
OWIB7045C-681	680.00	1776.00	0.20	0,27					-
OWIB7045C-102	1000.00	2736.00	0.14	0,25					-

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.00	7.00	4.50	2	1.5	4		2.2	2.15	3.7	Fig.2
±0.3	±0.3	±0.3	Ref	Ref	Ref		Ref	Ref	Ref	

Fig.1

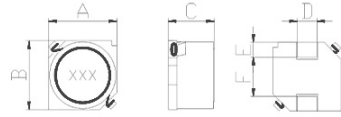


Fig.2

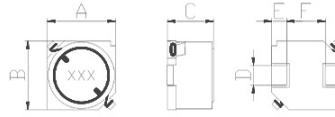


Fig.3

