

# OWI43

## SMD Power inductor



### Description

SMD Power inductor

### Features

RoHS, Halogen Free and Reach compliant  
 Unshielded power inductor  
 Various package size and wide inductance range

### Applications

Graphic cards  
 DC/DC Converters etc.

### General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40°C to +125°C
Storage Temp	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	L drops off 10% typ at Isat
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWI43-1R0	30.00	3.80					
OWI43-1R2	36.00	3.50					
OWI43-1R5	40.00	3.30					
OWI43-2R2	47.00	2.90					
OWI43-2R7	52.00	2.50					
OWI43-3R3	58.00	2.40					
OWI43-3R9	76.00	1.98					
OWI43-4R7	94.00	1.90					
OWI43-5R6	100.00	1.80					
OWI43-6R8	117.00	1.60					
OWI43-8R2	132.00	1.26					
OWI43-100	182.00	1.15					
OWI43-120	210.00	1.05					
OWI43-150	235.00	0.92					
OWI43-180	338.00	0.84					
OWI43-220	378.00	0.76					
OWI43-270	410.00	0.71					
OWI43-330	510.00	0.70					
OWI43-390	560.00	0.66					
OWI43-470	800.00	0.65					
OWI43-560	937.00	0.50					
OWI43-680	1120.00	0.46					
OWI43-820	1350.00	0.45					
OWI43-101	1520.00	0.40					
OWI43-151	2000.00	0.38					
OWI43-221	3400.00	0.32					
OWI43-331	5300.00	0.28					
OWI43-471	6800.00	0.20					
OWI43-681	10000.00	0.16					

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.50	4.00	3.20	1.6				4.5	2.15	1.2	
$\pm 0.3$	$\pm 0.3$	$\pm 0.3$	Ref				Ref	Ref	Ref	

