

OWINR3010

SMD Power inductor



Description

Ferrite core, semi-shielded, magnetic epoxy

Features

RoHS, Halogen Free and REACH Compliance
 Magnetic resin shielded construction reduces buzz noise to ultra-low levels
 Metallization on ferrite core results in excellent shock resistance and damage-free durability
 30% higher current rating than conventional inductors of equal size
 Takes up less PCB real estate and saves power

Applications

Flat-screen TVs, blue-ray disc recorders, set top boxes
 Cameras and smart phones
 Portable gaming devices, GPS, multimedia devices, Telecom base stations, VR/AR-glasses etc.

General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40 to +125°C
Storage Temp	0 to 40°C
Storage Humidity	
Resistance to Soldering Heat	260° for 10 sec
Rated Current	L drops off 30% typ at Isat
Temperature Rise	40° typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWINR3010-560	3016.00	0.21	0,24			16	
OWINR3010-510	2860.00	0.21	0,25			18	
OWINR3010-470	2535.00	0.22	0,26			18	
OWINR3010-430	2340.00	0.23	0,27			18	
OWINR3010-390	2275.00	0.28	0,28			18	
OWINR3010-330	2015.00	0.29	0,3			18	
OWINR3010-270	1404.00	0.30	0,35			25	
OWINR3010-220	1209.00	0.35	0,38			28	
OWINR3010-150	793.00	0.42	0,47			30	
OWINR3010-120	657.00	0.43	0,52			36	
OWINR3010-8R2	520.00	0.55	0,58			23	
OWINR3010-100	520.00	0.55	0,58			39	
OWINR3010-6R8	397.00	0.55	0,66			42	
OWINR3010-5R6	322.00	0.58	0,7			40	
OWINR3010-4R7	293.00	0.75	0,77			59	
OWINR3010-3R6	215.00	0.95	0,9			67	
OWINR3010-3R3	189.00	0.97	0,96			74	
OWINR3010-2R7	169.00	1.00	1,02			90	
OWINR3010-2R2	143.00	1.15	1,09			100	
OWINR3010-1R5	104.00	1.27	1,3			120	
OWINR3010-1R2	95.00	1.25	1,45			137	
OWINR3010-1R0	85.00	1.40	1,45			180	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.00	3.00	1.20	0.9	2.5	1.2		2.8	1.3	0.9	
±0.2	±0.2	Max	Ref	Ref	Ref		Ref	Ref	Ref	

Fig.1

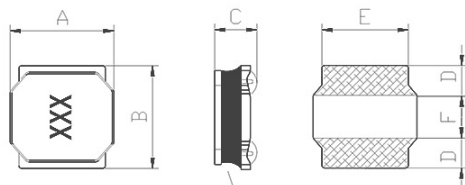


Fig.2

