

OWIDNR252012

Miniature NR inductor



Description

Half-shielded magnetic epoxy core

Features

RoHS, Halogen Free and REACH Compliance
Shielded and miniature design
Shielded power inductor
Side soldering process

Applications

Smartphones, tablets and wearable devices DSC, camcorders DC/DC converters etc.

Characteristics

Test Voltage	0.1V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40 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 30% 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]
OWIDNR252012-220	1020.00	0.50	0,45				
OWIDNR252012-150	648.00	0.56	0,54				
OWIDNR252012-100	492.00	0.75	0,65				
OWIDNR252012-6R8	325.00	1.00	0,9				
OWIDNR252012-4R7	228.80	1.35	1,05				
OWIDNR252012-3R3	156.00	1.50	1,3				
OWIDNR252012-2R2	115.20	1.90	1,65				
OWIDNR252012-1R5	84.00	2.05	1,95				
OWIDNR252012-1R0	63.70	2.45	2,3				
OWIDNR252012-R68	55.00	2.70	3				
OWIDNR252012-R47	42.00	3.60	3,35				
OWIDNR252012-R24	32.00	4.05	3,5				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
2.00	2.50	1.25	0.8	2.6			2.6	1.2	0.7	
+0.35 -0.1	+0.3 -0.1	Max	Ref	Ref			Ref	Ref	Ref	



