4.0±0.2
3.3±0.3
1.2Max
1.05Ref
1.9Ref
1.1Ref
3.7Ref
4.0±0.2
CHARACTERISTICS
■
APPLIC
A
TION
Magne�c resin for higher current and semi-magne�cally
shielded
DC/DC converter
LC filter
Quan�ty: 4500pcs
Electrical Properties:
Opera�ng temperature : -40
℃
 ~ +125
Temperature rise current: the actual value of DC current when the temperature rise is ΔT40

Satura�on Current that will cause ini�al inductance to drop approximately 30%
Tolerance
±30%
±20%
5.60
4.50
3.00
2.35
2.00
1.65
1.50
1.60
1.30
0.95
0.80
0.75
0.70
0.60
0.45
Satura�on
Current
Typ.
(A)
4.80
3.90
2.80
2.20
1.76
1.35
1.15
1.00
0.85
0.68
0.60
0.50
0.35
Satura�on
Current
Max.
(A)
0.020
0.031
0.042
0.051
0.075
0.125
0.150
0.175
0.180
0.310
0.430
0.530
0.780
1.100
DC
Resistance
Typ.
(Ω)
0.025
0.040
0.055
0.065
0.100
0.163
0.185
0.228
0.234
0.400
0.550
0.690
1.000
1.430
DC
Resistance
Max.
(Ω)
3.30
2.80
2.30
2.00
1.90
1.40
1.20
1.10
1.00
0.80
0.75
0.52
0.50
Temperature
Rise Current
Typ.
(A)
2.90
2.40
2.00
1.80
1.32
1.00
0.85
0.80
0.65
0.55
0.49
0.42
0.37
Temperature
Rise Current
Max.
(A)
Part No
NRSE4012-R24N
NRSE4012-R47N
NRSE4012-1R0N
NRSE4012-1R5N
NRSE4012-2R2M
NRSE4012-3R3M
NRSE4012-4R7M
NRSE4012-5R6M
NRSE4012-6R8M
NRSE4012-100M
NRSE4012-150M
NRSE4012-180M
NRSE4012-220M
NRSE4012-330M
NRSE4012-470M
Inductance
@ 1MHz/1V
(μH)
0.24
0.47
1.00
1.50
2.20
3.30
4.70
5.60
6.80
10.0
15.0
18.0
22.0
33.0
47.0
A1