



SDRH4015 Series

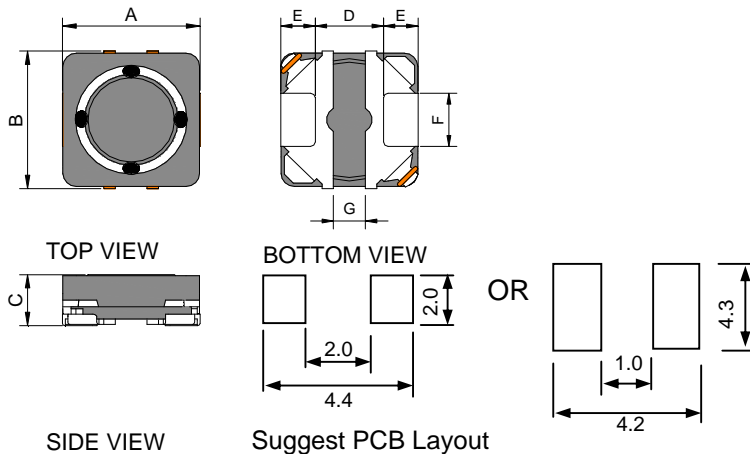


1. Features:

- Miniature size: Mount area 4.0*4.0mm; Low profile 1.5mm max. height.
- Generic use for portable DC to DC converter line.
- Available for automatic mounting in tape and reel package.
- The products contain no lead and also support lead-free soldering.
- It is a product conforming to ROHS directive.
- High Reliability for Resistance to Soldering heat.
- Power source inductor for mobile phones, HDDs, LCD Panel, and DSCs.
- Operating Temperature Range -55°C to +130°C.



2. Mechanical Dimension (Unit:mm):



Type	SDRH4015
A	4.0 ± 0.2
B	4.0 ± 0.3
C	1.5 (Max.)
D	2.1 (Typ.)
E	0.9 (Typ.)
F	1.6 (Typ.)
G	1.1 (Typ.)

3. Electrical Characteristic of SDRH4015 Series:

Part Number	OCL (uH) ±20% or ±30%	DCR (Ω) ±20%	Isat (A) @25°C	Irms (A) @25°C	Marking
SDRH4015-1R0NU	1.0±30%	0.043	2.30	2.30	3A
SDRH4015-1R5NU	1.5±30%	0.050	2.00	2.05	3C
SDRH4015-2R2NU	2.2±30%	0.057	1.70	1.85	3E
SDRH4015-3R3NU	3.3±30%	0.080	1.30	1.60	3G
SDRH4015-4R7MU	4.7±20%	0.099	1.10	1.25	3I
SDRH4015-5R6MU	5.6±20%	0.120	1.00	1.20	3J
SDRH4015-6R8MU	6.8±20%	0.130	1.00	1.15	3K
SDRH4015-100MU	10±20%	0.190	0.78	1.00	3M
SDRH4015-150MU	15±20%	0.280	0.63	0.88	3O
SDRH4015-220MU	22±20%	0.340	0.57	0.80	3Q
SDRH4015-330MU	33±20%	0.530	0.44	0.56	3S
SDRH4015-470MU	47±20%	0.750	0.35	0.40	3U

Note:

1. OCL (Open Circuit Inductance) and L @ I_{rms} and L @ I_{sat} are measured at: 100KHz, 0.1V @ 25°C.
2. I_{sat}: DC current that causes inductance to drop by approximately 30% from OCL.
3. I_{rms}: DC current that causes an approximate temperature rise (ΔT) of 40°C typ.
4. Rated DC Current: The less value which is I_{sat} or I_{rms}.