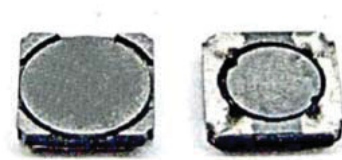




OWIMS5D14 TYPE

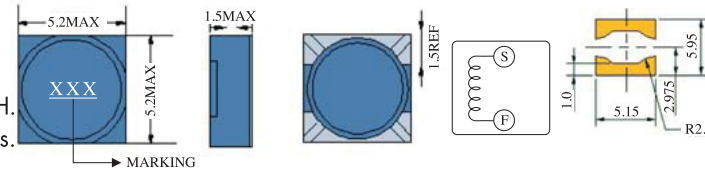


FEATURES

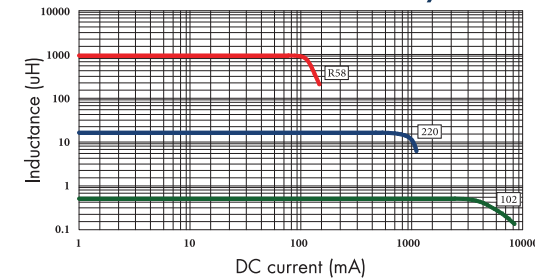
1. Inductance range from 0.58uH to 1000uH.
2. Current range from 4.84 to 0.114 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

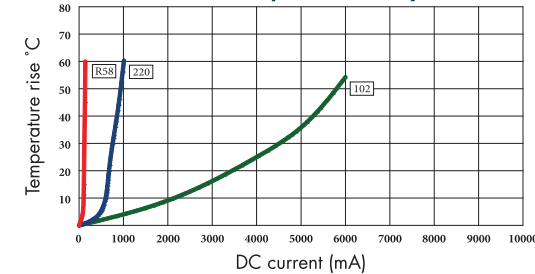
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D14 Inductance decrease by current



OWIMS5D14 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIMS5D14 SERIES

| Part Number | Inductance (uH) ⁽¹⁾ | Test Frequency | DC Resistance (Ω MAX) ⁽²⁾ | Saturation Current (A) ⁽³⁾ | Temperature Current (A) ⁽⁴⁾ |
|---------------|--------------------------------|----------------|--------------------------------------|---------------------------------------|--|
| OWIMS5D14-R58 | 0.58 | 100KHZ | 24m | 4.84 | 4.00 |
| OWIMS5D14-R87 | 0.87 | 100KHZ | 27m | 3.70 | 3.60 |
| OWIMS5D14-1R2 | 1.2 | 100KHZ | 38m | 3.10 | 3.20 |
| OWIMS5D14-1R5 | 1.5 | 100KHZ | 43m | 2.85 | 2.80 |
| OWIMS5D14-2R0 | 2.0 | 100KHZ | 49m | 2.56 | 2.37 |
| OWIMS5D14-2R5 | 2.5 | 100KHZ | 65m | 2.29 | 1.90 |
| OWIMS5D14-3R2 | 3.2 | 100KHZ | 77m | 2.00 | 1.80 |
| OWIMS5D14-4R5 | 4.5 | 100KHZ | 120m | 1.60 | 1.62 |
| OWIMS5D14-6R9 | 6.9 | 100KHZ | 160m | 1.35 | 1.30 |
| OWIMS5D14-8R8 | 8.8 | 100KHZ | 210m | 1.25 | 1.17 |
| OWIMS5D14-100 | 10 | 100KHZ | 300m | 1.10 | 1.05 |
| OWIMS5D14-150 | 15 | 100KHZ | 350m | 0.91 | 0.94 |
| OWIMS5D14-220 | 22 | 100KHZ | 550m | 0.76 | 0.76 |
| OWIMS5D14-330 | 33 | 100KHZ | 690m | 0.61 | 0.60 |
| OWIMS5D14-470 | 47 | 100KHZ | 1.10 | 0.52 | 0.51 |
| OWIMS5D14-680 | 68 | 100KHZ | 1.80 | 0.44 | 0.43 |
| OWIMS5D14-820 | 82 | 100KHZ | 2.15 | 0.39 | 0.38 |
| OWIMS5D14-101 | 100 | 100KHZ | 2.80 | 0.35 | 0.32 |
| OWIMS5D14-151 | 150 | 100KHZ | 3.60 | 0.29 | 0.28 |
| OWIMS5D14-221 | 220 | 100KHZ | 4.32 | 0.24 | 0.25 |
| OWIMS5D14-331 | 330 | 100KHZ | 6.80 | 0.19 | 0.21 |
| OWIMS5D14-471 | 470 | 100KHZ | 13.0 | 0.17 | 0.16 |
| OWIMS5D14-681 | 680 | 100KHZ | 17.4 | 0.14 | 0.13 |
| OWIMS5D14-821 | 820 | 100KHZ | 20.2 | 0.125 | 0.12 |
| OWIMS5D14-102 | 1000 | 100KHZ | 22.6 | 0.114 | 0.11 |

1. Inductance tested at 0.25V. Tolerance of inductance:
0.58uH~8.8uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp. change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.