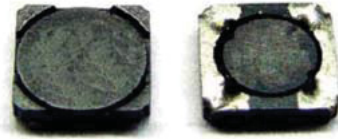




OWIMS5D20 TYPE

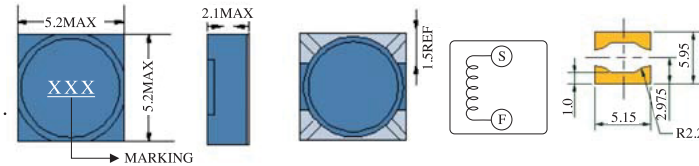


FEATURES

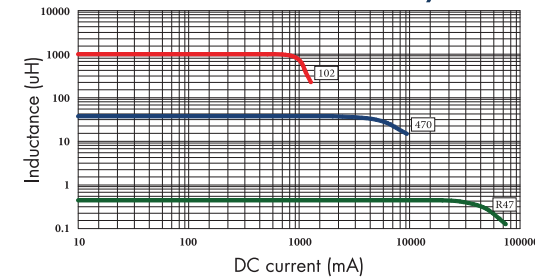
1. Inductance range from 0.47uH to 1000uH.
2. Current range from 4.0 to 0.088 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

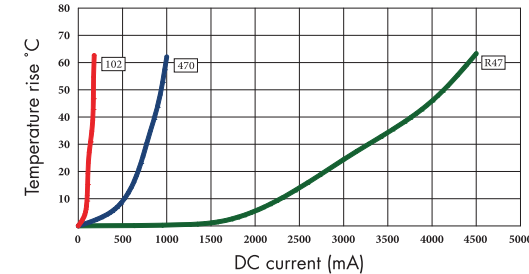
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D20 Inductance decrease by current



OWIMS5D20 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:
0.47uH~8.2uH: ±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 $\Delta t=40^{\circ}\text{C}$ or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

ELECTRICAL CHARACTERISTICS FOR OWIMS5D20 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D20-R47	0.47	100KHZ	22m	4.00	3.10
OWIMS5D20-1R2	1.2	100KHZ	30m	2.55	2.70
OWIMS5D20-1R5	1.5	100KHZ	34m	2.15	2.50
OWIMS5D20-2R2	2.2	100KHZ	47m	1.87	2.37
OWIMS5D20-3R3	3.3	100KHZ	60m	1.47	2.20
OWIMS5D20-4R7	4.7	100KHZ	67m	1.33	2.02
OWIMS5D20-6R2	6.2	100KHZ	79m	1.12	1.81
OWIMS5D20-8R2	8.2	100KHZ	110m	0.966	1.62
OWIMS5D20-100	10	100KHZ	121m	0.903	1.45
OWIMS5D20-150	15	100KHZ	182m	0.718	1.37
OWIMS5D20-220	22	100KHZ	226m	0.596	1.17
OWIMS5D20-330	33	100KHZ	341m	0.491	0.99
OWIMS5D20-470	47	100KHZ	512m	0.406	0.82
OWIMS5D20-680	68	100KHZ	764m	0.337	0.72
OWIMS5D20-820	82	100KHZ	856m	0.308	0.57
OWIMS5D20-101	100	100KHZ	1.17	0.283	0.52
OWIMS5D20-151	150	100KHZ	1.65	0.228	0.46
OWIMS5D20-221	220	100KHZ	2.50	0.188	0.43
OWIMS5D20-331	330	100KHZ	3.84	0.155	0.34
OWIMS5D20-471	470	100KHZ	4.75	0.129	0.28
OWIMS5D20-681	680	100KHZ	7.80	0.107	0.20
OWIMS5D20-821	820	100KHZ	8.25	0.098	0.18
OWIMS5D20-102	1000	100KHZ	13.56	0.088	0.12