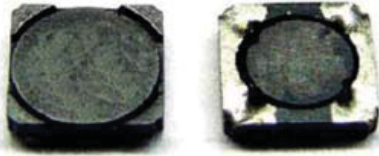




OWIMS5D20 TYPE

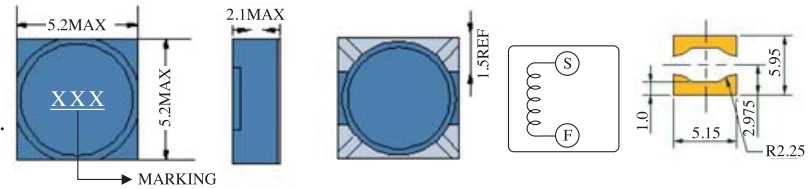


FEATURES

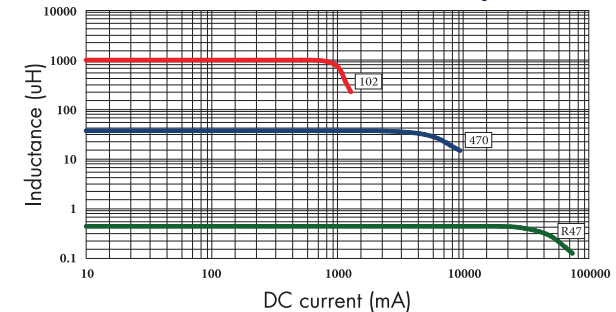
- 1. Inductance range from 0.47uH to 1000uH.
- 2. Current range from 4.0 to 0.088 Amps.
- 3. Ferrite shielded, low EMI.

APPLICATIONS

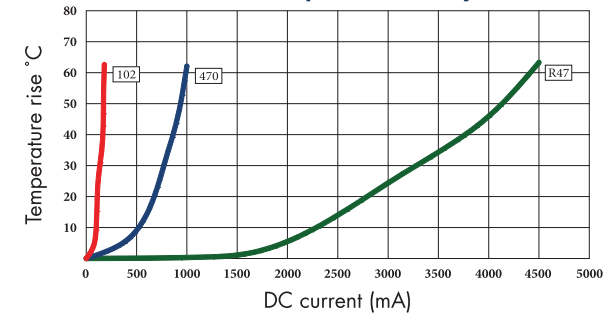
- 1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



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 Δt=40 °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