



OWIMS5D12 TYPE

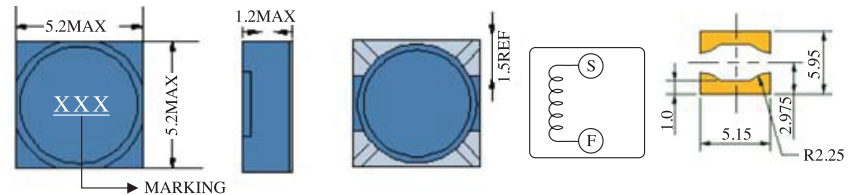


FEATURES

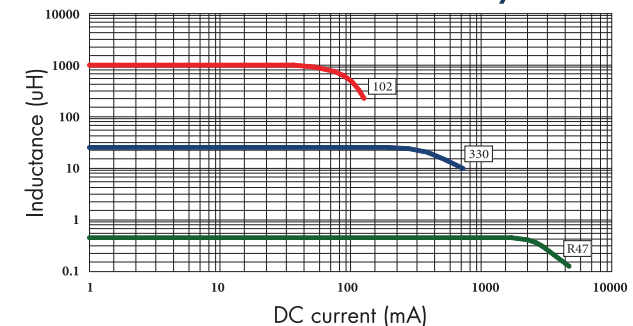
- 1. Inductance range from 4.7uH to 1000uH.
- 2. Current range from 3.4 to 0.066 Amps.
- 3. Ferrite shielded, low EMI.

APPLICATIONS

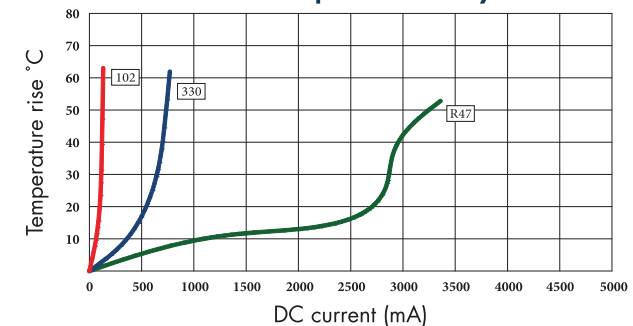
- 1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D12 Inductance decrease by current



OWIMS5D12 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIMS5D12 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D12-R47	0.47	100KHZ	27m	3.40	2.85
OWIMS5D12-1R2	1.2	100KHZ	40m	2.15	2.00
OWIMS5D12-1R5	1.5	100KHZ	57m	1.80	1.95
OWIMS5D12-2R2	2.2	100KHZ	82m	1.60	1.70
OWIMS5D12-3R3	3.3	100KHZ	115m	1.25	1.53
OWIMS5D12-4R7	4.7	100KHZ	129m	1.00	1.37
OWIMS5D12-6R2	6.2	100KHZ	187m	0.95	1.23
OWIMS5D12-8R2	8.2	100KHZ	264m	0.82	1.10
OWIMS5D12-100	10	100KHZ	313m	0.75	1.04
OWIMS5D12-150	15	100KHZ	450m	0.61	0.85
OWIMS5D12-220	22	100KHZ	697m	0.51	0.83
OWIMS5D12-330	33	100KHZ	1.02	0.40	0.66
OWIMS5D12-470	47	100KHZ	1.50	0.33	0.52
OWIMS5D12-680	68	100KHZ	2.37	0.29	0.41
OWIMS5D12-820	82	100KHZ	2.59	0.26	0.36
OWIMS5D12-101	100	100KHZ	2.90	0.23	0.32
OWIMS5D12-151	150	100KHZ	4.35	0.19	0.26
OWIMS5D12-221	220	100KHZ	5.23	0.16	0.23
OWIMS5D12-331	330	100KHZ	7.97	0.12	0.20
OWIMS5D12-471	470	100KHZ	10.50	0.10	0.18
OWIMS5D12-681	680	100KHZ	16.00	0.084	0.14
OWIMS5D12-821	820	100KHZ	17.76	0.075	0.12
OWIMS5D12-102	1000	100KHZ	23.40	0.066	0.11

- 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.