



OWIMS5D12 TYPE

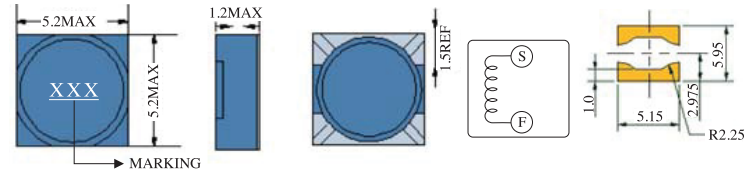


FEATURES

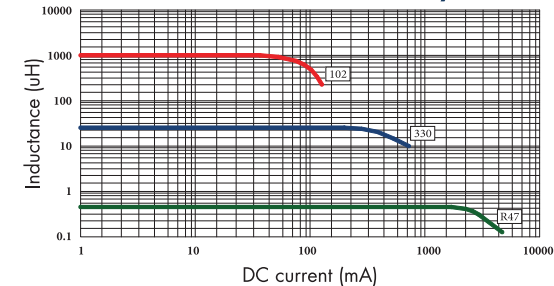
1. Inductance range from 4.7uH to 1000uH.
2. Current range from 3.4 to 0.066 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

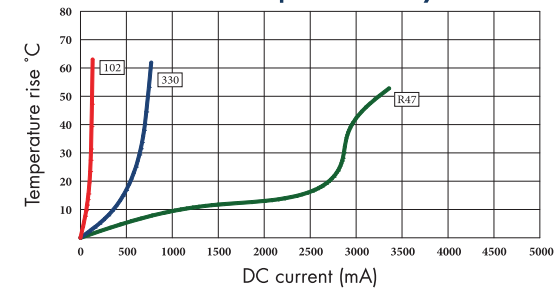
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



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

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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.