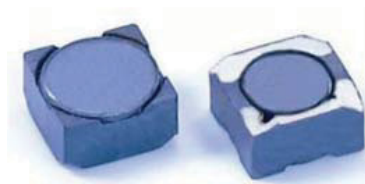




OWIMS5D25 TYPE

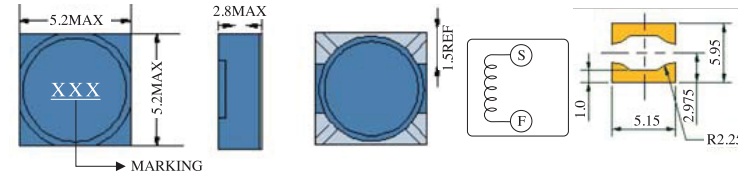


FEATURES

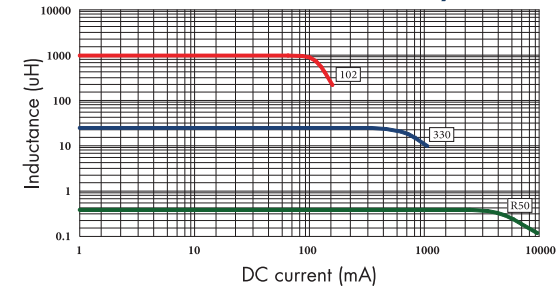
1. Inductance range from 0.50uH to 1000uH.
2. Current range from 4.9 to 0.1 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

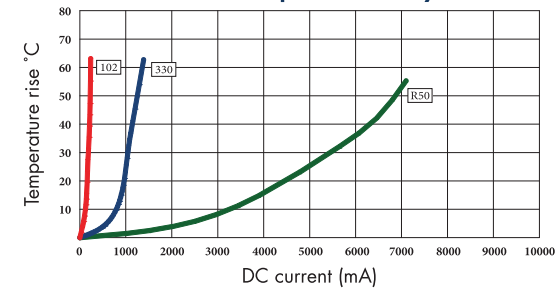
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D25 Inductance decrease by current



OWIMS5D25 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.5uH~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 OWIMS5D25 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D25-R50	0.50	100KHZ	19m	4.9	5.60
OWIMS5D25-R87	0.87	100KHZ	23m	3.6	5.00
OWIMS5D25-1R2	1.2	100KHZ	26m	3.2	4.50
OWIMS5D25-1R8	1.8	100KHZ	30m	2.5	3.60
OWIMS5D25-2R2	2.2	100KHZ	34m	2.2	3.24
OWIMS5D25-3R3	3.3	100KHZ	42m	1.8	2.46
OWIMS5D25-4R7	4.7	100KHZ	56m	1.5	2.21
OWIMS5D25-6R8	6.8	100KHZ	70m	1.25	1.98
OWIMS5D25-8R2	8.2	100KHZ	90m	1.18	1.78
OWIMS5D25-100	10	100KHZ	0.12	1.05	1.60
OWIMS5D25-150	15	100KHZ	0.13	0.93	1.44
OWIMS5D25-220	22	100KHZ	0.19	0.77	1.29
OWIMS5D25-330	33	100KHZ	0.33	0.63	1.04
OWIMS5D25-470	47	100KHZ	0.36	0.49	0.93
OWIMS5D25-680	68	100KHZ	0.57	0.41	0.75
OWIMS5D25-820	82	100KHZ	0.79	0.38	0.67
OWIMS5D25-101	100	100KHZ	0.82	0.35	0.58
OWIMS5D25-151	150	100KHZ	1.30	0.28	0.45
OWIMS5D25-221	220	100KHZ	2.10	0.22	0.40
OWIMS5D25-331	330	100KHZ	3.12	0.20	0.32
OWIMS5D25-471	470	100KHZ	4.70	0.16	0.27
OWIMS5D25-681	680	100KHZ	8.10	0.12	0.19
OWIMS5D25-821	820	100KHZ	8.65	0.11	0.18
OWIMS5D25-102	1000	100KHZ	9.72	0.10	0.17

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