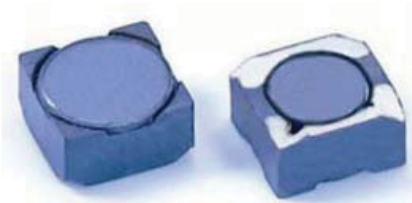




OWIMS5D25 TYPE

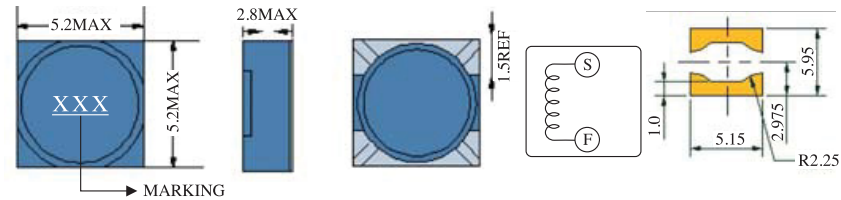


FEATURES

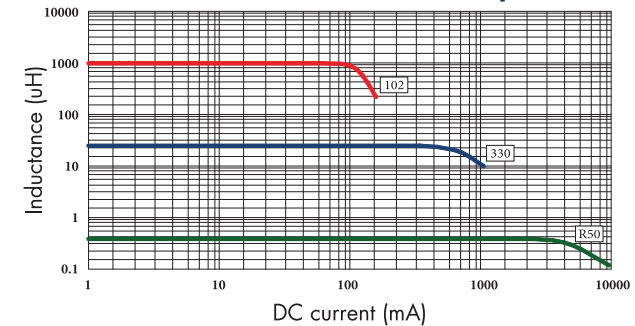
- 1. Inductance range from 0.50uH to 1000uH.
- 2. Current range from 4.9 to 0.1 Amps.
- 3. Ferrite shielded, low EMI.

APPLICATIONS

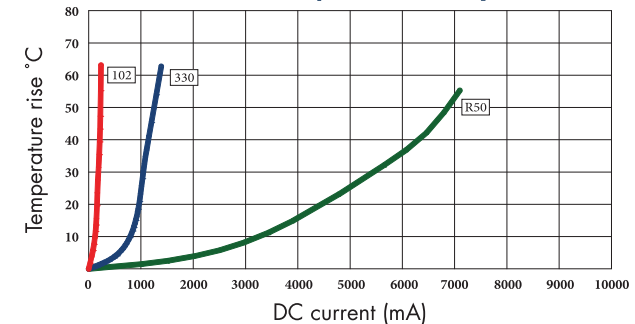
- 1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



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 Δt=40 °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