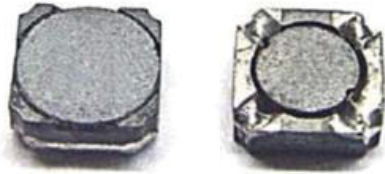




OWIMS5D18 TYPE

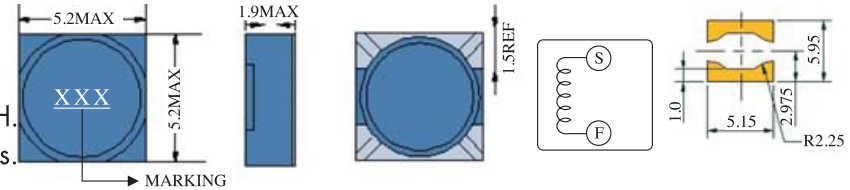


FEATURES

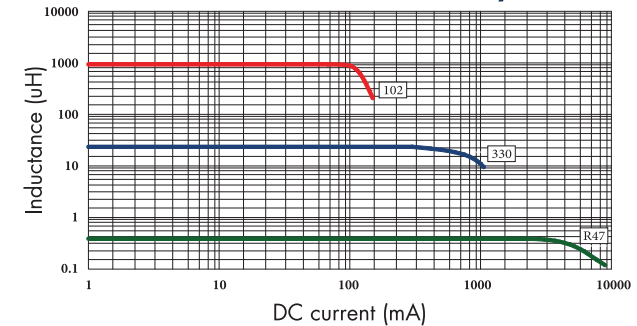
- 1. Inductance range from 0.47uH to 1000uH.
- 2. Current range from 4.63 to 0.102 Amps.
- 3. Ferrite shielded, low EMI.

APPLICATIONS

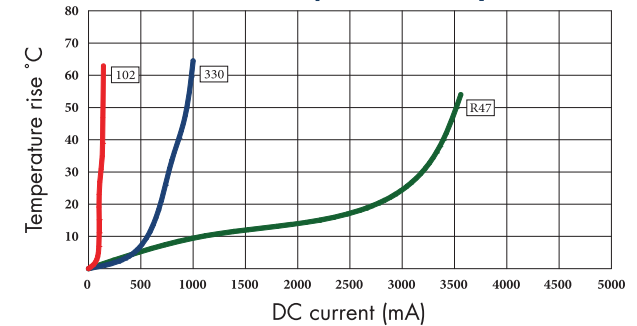
- 1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D18 Inductance decrease by current



OWIMS5D18 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 OWIMS5D18 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D18-R47	0.47	100KHZ	22m	4.63	3.24
OWIMS5D18-R82	0.82	100KHZ	27m	3.60	2.75
OWIMS5D18-1R2	1.2	100KHZ	32m	2.95	2.46
OWIMS5D18-1R5	1.5	100KHZ	38m	2.49	2.40
OWIMS5D18-2R2	2.2	100KHZ	44m	2.16	2.35
OWIMS5D18-3R3	3.3	100KHZ	67m	1.71	2.23
OWIMS5D18-4R7	4.7	100KHZ	91m	1.54	1.80
OWIMS5D18-6R2	6.2	100KHZ	110m	1.30	1.62
OWIMS5D18-8R2	8.2	100KHZ	149m	1.12	1.45
OWIMS5D18-100	10	100KHZ	174m	0.982	1.30
OWIMS5D18-150	15	100KHZ	251m	0.831	1.11
OWIMS5D18-220	22	100KHZ	370m	0.689	0.94
OWIMS5D18-330	33	100KHZ	556m	0.568	0.80
OWIMS5D18-470	47	100KHZ	851m	0.470	0.61
OWIMS5D18-680	68	100KHZ	1.08	0.390	0.49
OWIMS5D18-820	82	100KHZ	1.43	0.356	0.44
OWIMS5D18-101	100	100KHZ	1.62	0.321	0.39
OWIMS5D18-151	150	100KHZ	2.80	0.263	0.33
OWIMS5D18-221	220	100KHZ	4.37	0.217	0.29
OWIMS5D18-331	330	100KHZ	5.35	0.177	0.24
OWIMS5D18-471	470	100KHZ	9.38	0.148	0.18
OWIMS5D18-681	680	100KHZ	12.0	0.124	0.15
OWIMS5D18-821	820	100KHZ	16.56	0.113	0.125
OWIMS5D18-102	1000	100KHZ	18.50	0.102	0.11