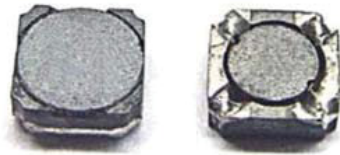




OWIMS5D18 TYPE

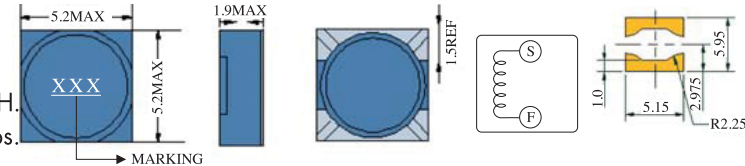


FEATURES

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

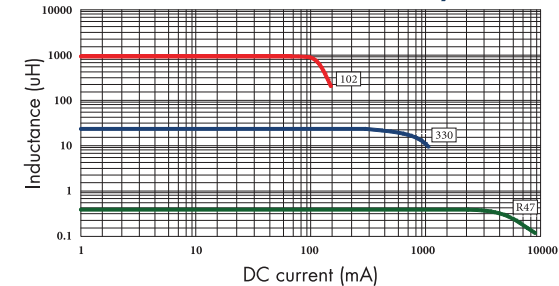


ELECTRICAL CHARACTERISTICS FOR OWIMS5D18 SERIES

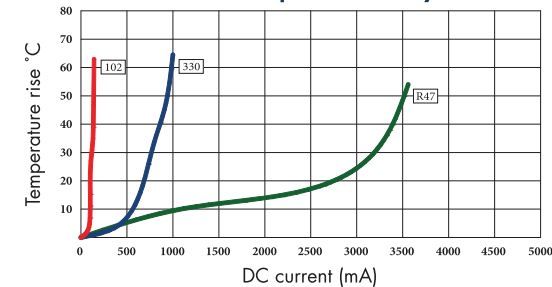
Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D18-R47	0.47	100KHZ	22m	4.63	3.24
OWIMS5D18-R82	0.82	100KHZ	27m	3.60	2.75
OWIMS5D18-1R2	1.2	100KHZ	32m	2.95	2.46
OWIMS5D18-1R5	1.5	100KHZ	38m	2.49	2.40
OWIMS5D18-2R2	2.2	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

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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.