



OWIMS5D14 TYPE

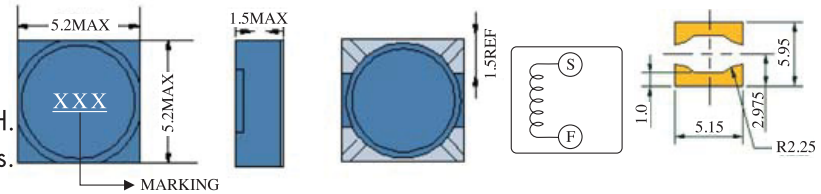


FEATURES

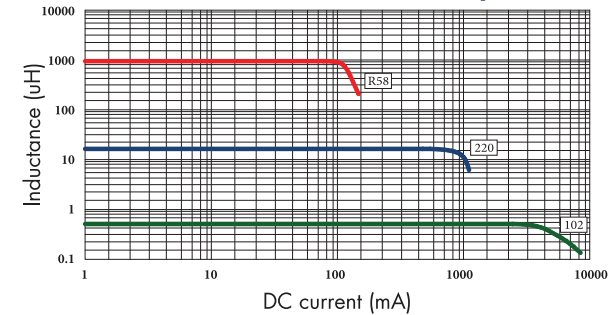
1. Inductance range from 0.58uH to 1000uH.
2. Current range from 4.84 to 0.114 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

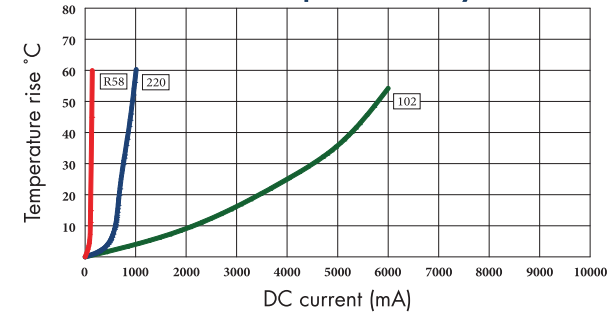
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D14 Inductance decrease by current



OWIMS5D14 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.58uH~8.8uH: ±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 OWIMS5D14 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIMS5D14-R58	0.58	100KHZ	24m	4.84	4.00
OWIMS5D14-R87	0.87	100KHZ	27m	3.70	3.60
OWIMS5D14-1R2	1.2	100KHZ	38m	3.10	3.20
OWIMS5D14-1R5	1.5	100KHZ	43m	2.85	2.80
OWIMS5D14-2R0	2.0	100KHZ	49m	2.56	2.37
OWIMS5D14-2R5	2.5	100KHZ	65m	2.29	1.90
OWIMS5D14-3R2	3.2	100KHZ	77m	2.00	1.80
OWIMS5D14-4R5	4.5	100KHZ	120m	1.60	1.62
OWIMS5D14-6R9	6.9	100KHZ	160m	1.35	1.30
OWIMS5D14-8R8	8.8	100KHZ	210m	1.25	1.17
OWIMS5D14-100	10	100KHZ	300m	1.10	1.05
OWIMS5D14-150	15	100KHZ	350m	0.91	0.94
OWIMS5D14-220	22	100KHZ	550m	0.76	0.76
OWIMS5D14-330	33	100KHZ	690m	0.61	0.60
OWIMS5D14-470	47	100KHZ	1.10	0.52	0.51
OWIMS5D14-680	68	100KHZ	1.80	0.44	0.43
OWIMS5D14-820	82	100KHZ	2.15	0.39	0.38
OWIMS5D14-101	100	100KHZ	2.80	0.35	0.32
OWIMS5D14-151	150	100KHZ	3.60	0.29	0.28
OWIMS5D14-221	220	100KHZ	4.32	0.24	0.25
OWIMS5D14-331	330	100KHZ	6.80	0.19	0.21
OWIMS5D14-471	470	100KHZ	13.0	0.17	0.16
OWIMS5D14-681	680	100KHZ	17.4	0.14	0.13
OWIMS5D14-821	820	100KHZ	20.2	0.125	0.12
OWIMS5D14-102	1000	100KHZ	22.6	0.114	0.11