



OWIC5D23 TYPE



FEATURES

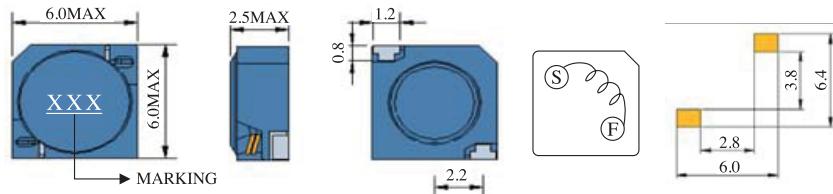
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

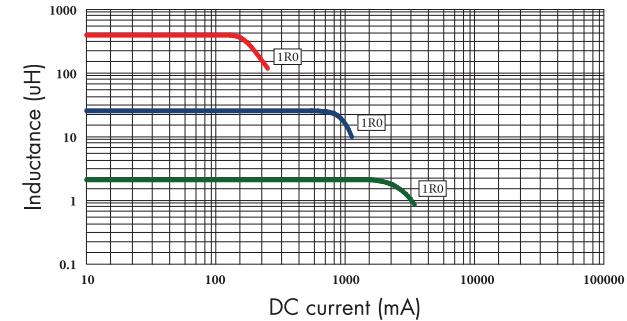
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

ELECTRICAL CHARACTERISTICS FOR OWIC5D23 SERIES

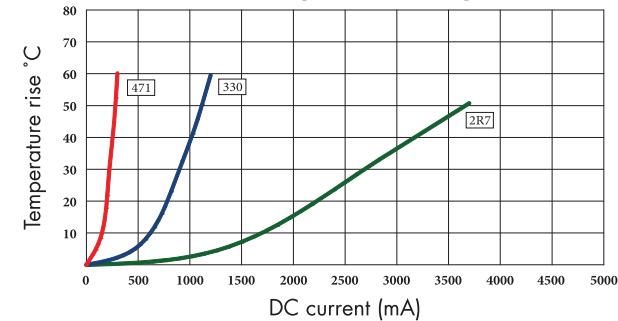
Part Number	Inductance (μ H) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIC5D23-2R7	2.7	100KHZ	44m	2.08	2.80
OWIC5D23-3R3	3.3	100KHZ	49m	1.90	2.60
OWIC5D23-3R9	3.9	100KHZ	56m	1.84	2.42
OWIC5D23-4R7	4.7	100KHZ	62m	1.60	2.20
OWIC5D23-5R6	5.6	100KHZ	78m	1.44	2.05
OWIC5D23-6R8	6.8	100KHZ	91m	1.30	1.90
OWIC5D23-8R2	8.2	100KHZ	103m	1.12	1.75
OWIC5D23-100	10	100KHZ	133m	1.04	1.55
OWIC5D23-120	12	100KHZ	148m	0.90	1.40
OWIC5D23-150	15	100KHZ	166m	0.82	1.30
OWIC5D23-180	18	100KHZ	213m	0.77	1.20
OWIC5D23-220	22	100KHZ	248m	0.73	1.10
OWIC5D23-270	27	100KHZ	328m	0.64	1.00
OWIC5D23-330	33	100KHZ	378m	0.58	0.90
OWIC5D23-390	39	100KHZ	438m	0.54	0.80
OWIC5D23-470	47	100KHZ	546m	0.44	0.74
OWIC5D23-560	56	100KHZ	621m	0.43	0.64
OWIC5D23-680	68	100KHZ	715m	0.41	0.62
OWIC5D23-820	82	100KHZ	1.00	0.35	0.58
OWIC5D23-101	100	100KHZ	1.07	0.33	0.48
OWIC5D23-121	120	100KHZ	1.25	0.32	0.44
OWIC5D23-151	150	100KHZ	1.66	0.26	0.40
OWIC5D23-181	180	100KHZ	1.90	0.23	0.37
OWIC5D23-221	220	100KHZ	2.44	0.21	0.35
OWIC5D23-271	270	100KHZ	2.73	0.19	0.32
OWIC5D23-331	330	100KHZ	3.72	0.18	0.26
OWIC5D23-391	390	100KHZ	4.06	0.17	0.24
OWIC5D23-471	470	100KHZ	4.70	0.165	0.21



OWIC5D23 Inductance decrease by current



OWIC5D23 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: $\pm 20\%$ (M)

2. DCR test temp. limits 25°C.

3. This indicates the value of current when the inductance is 10% 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.