



OWIC5D23 TYPE

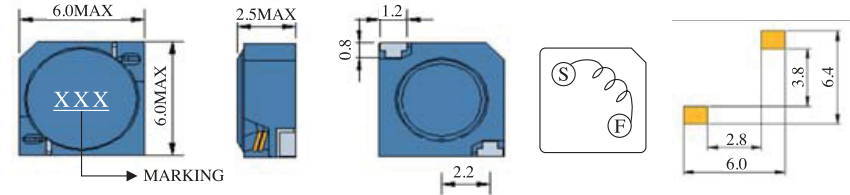


FEATURES

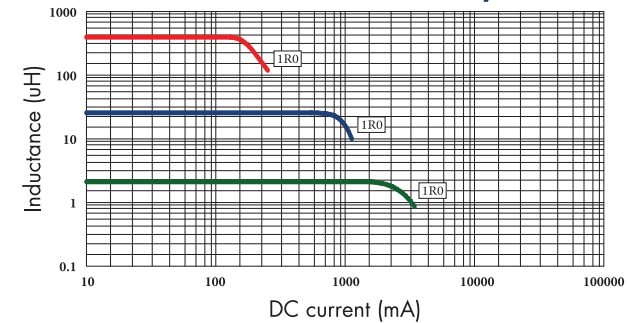
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

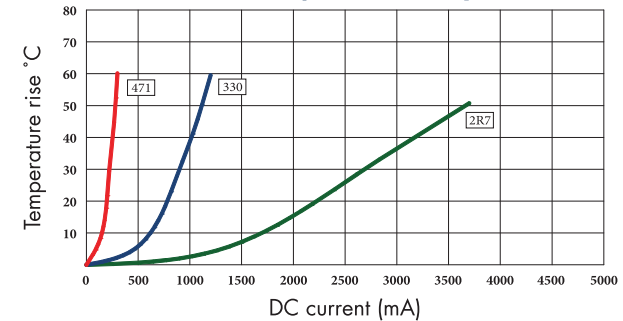
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIC5D23 Inductance decrease by current



OWIC5D23 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIC5D23 SERIES

Part Number	Inductance (uH) ⁽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

- 1. Inductance tested at 0.25V. Tolerance of inductance:±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 Δt=40 °C or more lower current.
- 5. Please refer saturated current or the minimum temperature current as standard.