



OWI53 TYPE

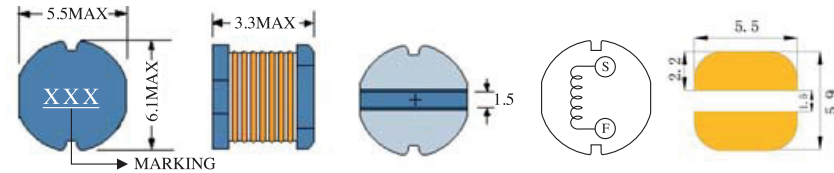


FEATURES

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

APPLICATIONS

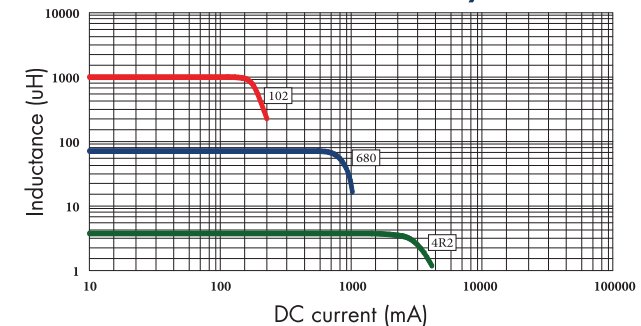
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



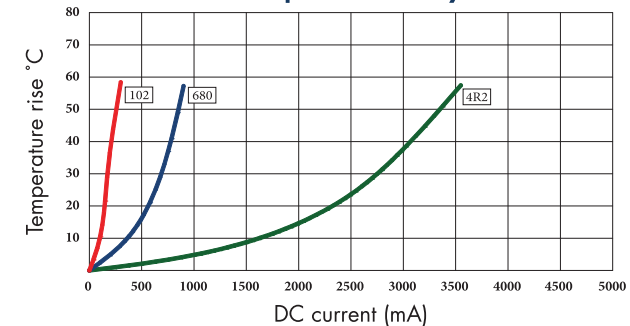
ELECTRICAL CHARACTERISTICS FOR OWI53 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI53-4R2	4.2	7.96MHZ	70m	1.85	2.60
OWI53-6R2	6.2	7.96MHZ	85m	1.75	2.20
OWI53-100	10	2.52MHZ	0.11	1.30	1.85
OWI53-120	12	2.52MHZ	0.13	1.23	1.60
OWI53-150	15	2.52MHZ	0.16	1.10	1.50
OWI53-180	18	2.52MHZ	0.18	1.05	1.40
OWI53-220	22	2.52MHZ	0.23	0.93	1.30
OWI53-270	27	2.52MHZ	0.25	0.84	1.20
OWI53-330	33	2.52MHZ	0.30	0.76	1.02
OWI53-390	39	2.52MHZ	0.35	0.68	0.95
OWI53-470	47	2.52MHZ	0.43	0.63	0.85
OWI53-560	56	2.52MHZ	0.54	0.59	0.78
OWI53-680	68	2.52MHZ	0.59	0.53	0.70
OWI53-820	82	2.52MHZ	0.72	0.48	0.62
OWI53-101	100	1KHZ	0.92	0.45	0.56
OWI53-121	120	1KHZ	1.01	0.42	0.52
OWI53-151	150	1KHZ	1.3	0.38	0.46
OWI53-181	180	1KHZ	1.6	0.35	0.40
OWI53-221	220	1KHZ	1.8	0.32	0.38
OWI53-271	270	1KHZ	2.4	0.30	0.35
OWI53-331	330	1KHZ	3.2	0.28	0.31
OWI53-391	390	1KHZ	3.5	0.26	0.29
OWI53-471	470	1KHZ	4.2	0.20	0.25
OWI53-561	560	1KHZ	4.9	0.19	0.22
OWI53-681	680	1KHZ	6.7	0.18	0.20
OWI53-821	820	1KHZ	7.8	0.15	0.18
OWI53-102	1000	1KHZ	8.8	0.13	0.17

OWI53 Inductance decrease by current



OWI53 Temperature rise by current



- 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.