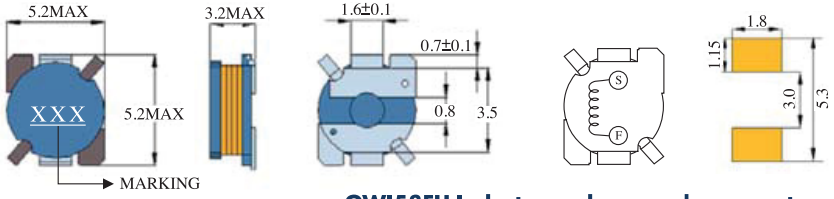
OWI53FU TYPE

FEATURES

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

APPLICATIONS

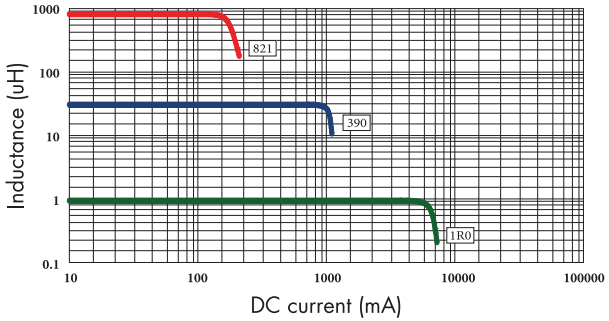
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



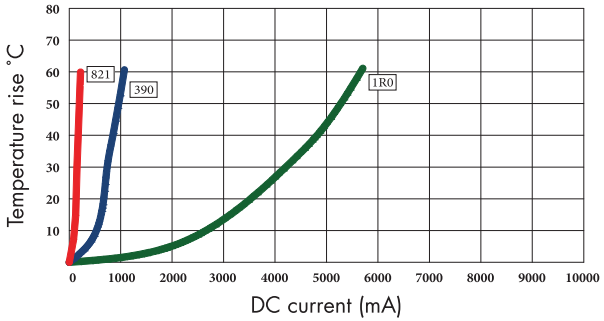
ELECTRICAL CHARACTERISTICS FOR OWI53FU SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI53FU-1R0	1.0	100KHZ	37m	4.5	4.30
OWI53FU-2R2	2.2	100KHZ	51m	3.4	3.50
OWI53FU-2R7	2.7	100KHZ	57m	3.0	3.00
OWI53FU-3R3	3.3	100KHZ	70m	2.5	2.50
OWI53FU-4R7	4.7	100KHZ	89m	2.3	2.00
OWI53FU-5R6	5.6	100KHZ	91m	2.0	1.86
OWI53FU-6R8	6.8	100KHZ	104m	1.7	1.60
OWI53FU-8R2	8.2	100KHZ	117m	1.5	1.50
OWI53FU-100	10	100KHZ	140m	1.3	1.42
OWI53FU-120	12	100KHZ	169m	1.2	1.36
OWI53FU-150	15	100KHZ	193m	1.1	1.30
OWI53FU-180	18	100KHZ	234m	1.0	1.20
OWI53FU-220	22	100KHZ	267m	0.92	1.08
OWI53FU-270	27	100KHZ	350m	0.90	0.88
OWI53FU-330	33	100KHZ	430m	0.80	0.80
OWI53FU-390	39	100KHZ	500m	0.72	0.74
OWI53FU-470	47	100KHZ	610m	0.65	0.66
OWI53FU-560	56	100KHZ	690m	0.59	0.60
OWI53FU-680	68	100KHZ	850m	0.54	0.54
OWI53FU-820	82	100KHZ	1.00	0.50	0.50
OWI53FU-101	100	100KHZ	1.30	0.45	0.45
OWI53FU-121	120	100KHZ	1.45	0.41	0.41
OWI53FU-151	150	100KHZ	2.04	0.37	0.38
OWI53FU-181	180	100KHZ	2.30	0.33	0.35
OWI53FU-221	220	100KHZ	2.78	0.30	0.31
OWI53FU-271	270	100KHZ	3.30	0.27	0.28
OWI53FU-331	330	100KHZ	4.30	0.25	0.25
OWI53FU-391	390	100KHZ	4.80	0.23	0.23
OWI53FU-471	470	100KHZ	6.90	0.21	0.20
OWI53FU-561	560	100KHZ	7.50	0.19	0.18
OWI53FU-681	680	100KHZ	9.20	0.17	0.17
OWI53FU-821	820	100KHZ	10.4	0.15	0.15

OWI53FU Inductance decrease by current



OWI53FU Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~8.2uH: ±30%(N) 10uH~820uH: ±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.