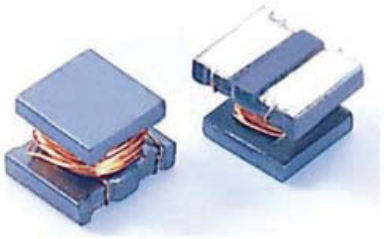
OWI1210 TYPE

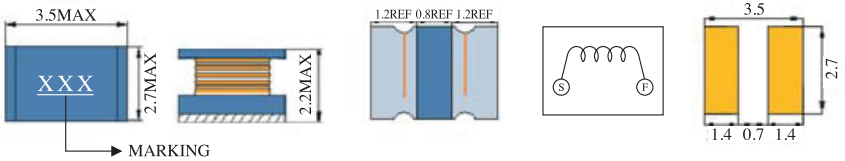


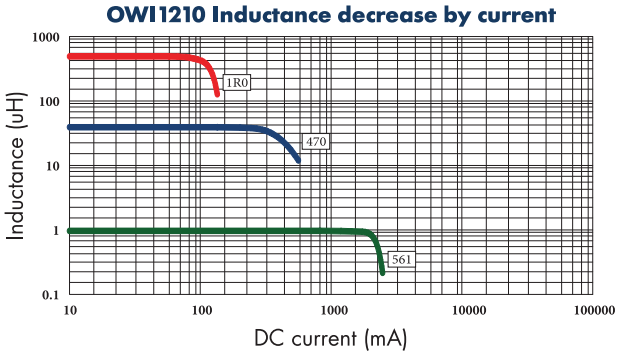
FEATURES

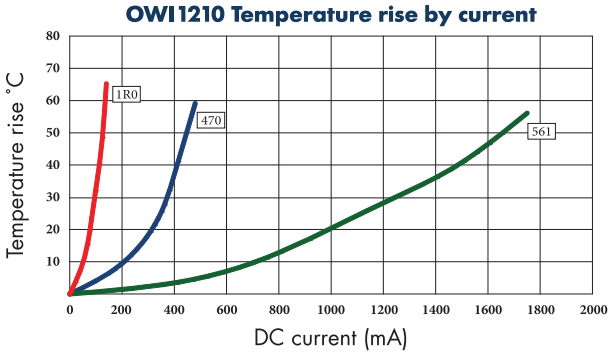
1. Low DC resistance, high rated current and high inductance.
   Inductance: 1.0 to 560uH.
2. The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.

APPLICATIONS

1. Portable communication, equipments.
2. DC/DC converters, etc.







ELECTRICAL CHARACTERISTICS FOR OWI1210 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI1210-1R0	1.0	1MHZ	117m	0.80	1.25
OWI1210-2R2	2.2	1MHZ	169m	0.60	1.15
OWI1210-4R7	4.7	1MHZ	260m	0.45	0.98
OWI1210-100	10	1MHZ	572m	0.30	0.70
OWI1210-220	22	1MHZ	923m	0.25	0.56
OWI1210-470	47	1MHZ	1.69	0.17	0.38
OWI1210-101	100	1MHZ	4.55	0.10	0.22
OWI1210-221	220	1MHZ	10.92	0.07	0.15
OWI1210-331	330	1MHZ	13.00	0.06	0.14
OWI1210-391	390	1MHZ	22.10	0.06	0.11
OWI1210-471	470	1MHZ	24.70	0.06	0.10
OWI1210-561	560	1MHZ	28.60	0.06	0.09

1. Inductance tested at 0.25V. Tolerance of inductance:
   1.0uH~4.7uH: ±20%(M) 10uH~560uH: ±10%(K)
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.