



SMD INDUCTORS

B6011 SERIES

FEATURES:

- Flame retardant encapsulant (UL 94 V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

COMMON APPLICATIONS:

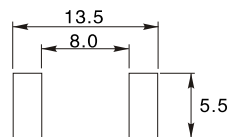
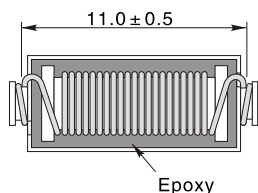
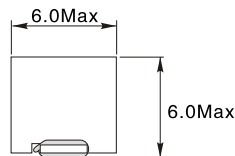
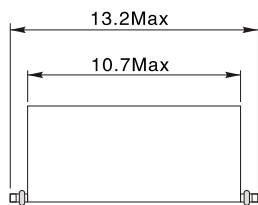
- Excellent power line noise filters
- Filters for switching regulated power supplies, DC/DC converters
- SCR and triac controls
- RFI suppression

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).	Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B6011-1R0Y	1.0	8.6	4.1	0.013	B6011-390Y	39.0	1.19	0.8	0.315
B6011-1R2Y	1.2	7.6	3.8	0.018	B6011-470Y	47.0	1.07	0.74	0.362
B6011-1R5Y	1.5	6.9	3.5	0.02	B6011-560Y	56.0	0.95	0.68	0.397
B6011-1R8Y	1.8	6.5	3.2	0.021	B6011-680Y	68.0	0.87	0.62	0.446
B6011-2R2Y	2.2	5.7	2.9	0.029	B6011-820Y	82.0	0.8	0.56	0.604
B6011-2R7Y	2.7	5.1	2.6	0.034	B6011-101Y	100.0	0.73	0.5	0.672
B6011-3R3Y	3.3	4.6	2.4	0.038	B6011-121Y	120.0	0.66	0.45	0.735
B6011-3R9Y	3.9	4.3	2.2	0.042	B6011-151Y	150.0	0.58	0.4	0.998
B6011-4R7Y	4.7	4.0	2.0	0.047	B6011-181Y	180.0	0.5	0.35	1.37
B6011-5R6Y	5.6	3.8	1.9	0.051	B6011-221Y	220.0	0.46	0.32	1.58
B6011-6R8Y	6.8	3.5	1.7	0.058	B6011-271Y	270.0	0.41	0.3	1.77
B6011-8R2Y	8.2	3.3	1.5	0.063	B6011-331Y	330.0	0.37	0.28	2.51
B6011-100Y	10.0	3.1	1.4	0.071	B6011-391Y	390.0	0.34	0.26	2.73
B6011-120Y	12.0	2.7	1.3	0.079	B6011-471Y	470.0	0.32	0.24	3.36
B6011-150Y	15.0	2.3	1.2	0.089	B6011-561Y	560.0	0.3	0.23	3.75
B6011-180Y	18.0	1.9	1.1	0.119	B6011-681Y	680.0	0.28	0.2	4.31
B6011-220Y	22.0	1.7	1.02	0.152	B6011-821Y	820.0	0.26	0.17	6.04
B6011-270Y	27.0	1.6	0.95	0.179	B6011-102Y	1000.0	0.24	0.15	6.9
B6011-330Y	33.0	1.3	0.88	0.222	B6011-152Y	1500.0	0.075	0.46	7.3

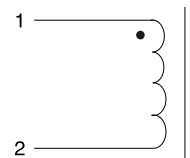
PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)



LAND PATTERNS

WINDING:



- Testing: (Equivalent acceptable)
Inductance: HP4284A, 1.0KHz / 1Vdc @25°C
RDC: QuadTech 1880 Milliohm meter
- Inductance Tolerance: ± 15 %
- Isat Max: Determined when superimposed DC current is decreased 5% against its initial value
- Operating temperature: -25°C to +105°C (Including temp. rise 40°C)
- Storage Temperature: -40°C to +85°C
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance