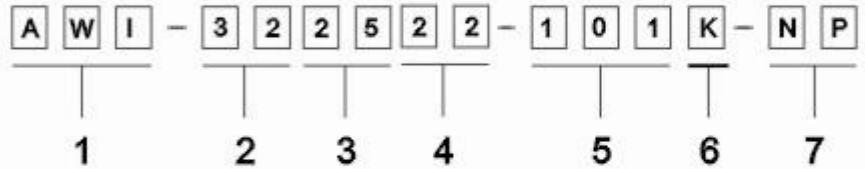


# SMD POWER INDUCTORS AWI TYPE



## PRODUCT IDENTIFICATION



### 1.PRODUCT SYMBOL

2.LENGTH : mm

3.WIDE : mm

4.HEIGHT : mm

5.INDUCTANCE :  $\mu$ H

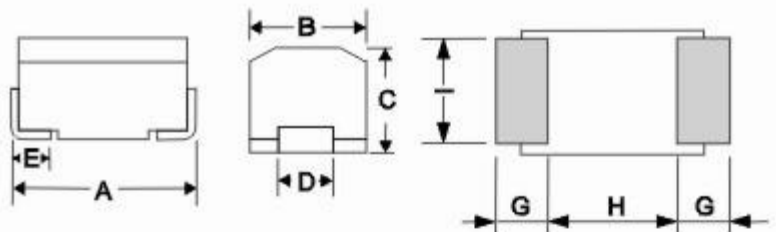
6.TOLERANCE : J 5% , K  $\pm$ 10% , L  $\pm$ 15% , M  $\pm$ 20%

7.Meet ROHS Regulations of Prohibited 6 Poisonous Materials

## SHAPES & DIMENSION FOR AWI SERIES (mm)

## FEATURE

- Lead-free electrodes.
- Very strong solderability by reflow soldering and soldering iron or wave soldering
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- High reliable in environments of sudden Temperature change and humidity.
- Superior Q characteristics and broadest selections amount peers.
- Highly resistant to mechanical shocks and Pressure



Part No.	A	B	C	D	G	H	I
AWI-252018	2.50 $\pm$ 0.30	2.00 $\pm$ 0.20	1.80 $\pm$ 0.20	2.20 $\pm$ 0.20	1.0	1.50	1.50
AWI-322522	3.20 $\pm$ 0.30	2.50 $\pm$ 0.20	2.20 $\pm$ 0.20	2.90 $\pm$ 0.20	1.0	2.0	2.0
AWI-453232	4.50 $\pm$ 0.30	3.20 $\pm$ 0.20	3.20 $\pm$ 0.20	4.20 $\pm$ 0.20	1.5	3.0	2.8



# SMD POWER INDUCTORS AWI TYPE

## ELECTRICAL SPECIFICATION

Part Number	Inductance ( $\mu$ H)	Q Min.	LQ Test	Self Resonant	DC	Rated
			Frequency (MHz)Min.	Frequency (MHz)Min.	Resistance ( $\Omega$ )Max.	Current (mA)Max.
AWI-252018-R22	0.22	25	25.2	230	0.5	430
AWI-252018-R27	0.27	25	25.2	210	0.55	420
AWI-252018-R33	0.33	25	25.2	190	0.60	400
AW-I252018-R39	0.39	25	25.2	175	0.65	375
AWI-252018-R47	0.47	25	25.2	160	0.68	350
AWI-252018-R56	0.56	25	25.2	150	0.75	325
AWI-252018-R68	0.68	25	25.2	135	0.85	300
AWI-252018-R82	0.82	25	25.2	125	1.00	260
AWI-252018-1R0	1.0	25	7.96	115	1.11	245
AWI-252018-1R2	1.2	25	7.96	100	1.20	230
AWI-252018-1R5	1.5	25	7.96	90	1.30	220
AWI-252018-1R8	1.8	25	7.96	85	1.45	210
AWI-252018-2R2	2.2	25	7.96	80	1.55	200
AWI-252018-2R7	2.7	25	7.96	75	1.7	195
AWI-252018-3R3	3.3	25	7.96	65	1.9	185
AWI-252018-3R9	3.9	25	7.96	60	2.1	180
AWI-252018-4R7	4.7	25	7.96	55	2.3	175
AWI-252018-5R8	5.6	25	7.96	50	2.5	170
AWI-252018-6R8	6.8	25	7.96	45	2.7	165
AWI-252018-8R2	8.2	25	7.96	40	3.05	160
AWI-252018-100	10	25	2.52	32	3.50	155
AWI-252018-120	12	25	2.52	30	3.80	150
AWI-252018-150	15	25	2.52	28	4.40	140
AWI-252018-180	18	25	2.52	25	5.00	130
AWI-252018-220	22	25	2.52	22	5.80	125
AWI-252018-270	27	20	2.52	21	6.30	115
AWI-252018-330	33	20	2.52	20	7.10	110
AWI-252018-390	39	20	2.52	18	9.50	90
AWI-252018-470	47	20	2.52	17	11.0	80
AWI-252018-560	56	20	2.52	16	12.1	75
AWI-252018-680	68	20	2.52	15	16.6	70
AWI-252018-820	82	20	2.52	13	19.0	65
AWI-252018-101	100	15	0.796	12	21.0	60

# SMD POWER INDUCTORS AWI TYPE



## ELECTRICAL SPECIFICATION

Part Number	Inductance ( $\mu$ H)	Q Min.	LQ Test	Self Resonant	DC	Rated
			Frequency (MHz)Min.	Frequency (MHz)Min.	Resistance ( $\Omega$ )Max.	Current (mA)Max.
AWI-322522-R12	0.12	30	25.2	500	0.220	450
AWI-322522-R15	0.15	30	25.2	450	0.250	450
AWI-322522-R18	0.18	30	25.2	400	0.280	450
AWI-322522-R22	0.22	30	25.2	350	0.320	450
AWI-322522-R27	0.27	30	25.2	320	0.360	450
AWI-322522-R33	0.33	30	25.2	300	0.400	450
AWI-322522-R39	0.39	30	25.2	250	0.450	450
AWI-322522-R47	0.47	30	25.2	220	0.500	450
AWI-322522-R56	0.56	30	25.2	180	0.550	450
AWI-322522-R68	0.68	30	25.2	160	0.600	450
AWI-322522-R82	0.82	30	25.2	140	0.650	450
AWI-322522-1R0	1.00	30	7.96	120	0.700	400
AWI-322522-1R2	1.20	30	7.96	100	0.750	390
AWI-322522-1R5	1.50	30	7.96	85	0.850	370
AWI-322522-1R8	1.80	30	7.96	80	0.900	350
AWI-322522-2R2	2.20	30	7.96	75	1.000	320
AWI-322522-2R7	2.70	30	7.96	70	1.100	290
AWI-322522-3R3	3.30	30	7.96	60	1.200	260
AWI-322522-3R9	3.90	30	7.96	55	1.300	250
AWI-322522-4R7	4.70	30	7.96	50	1.500	220
AWI-322522-5R6	5.60	30	7.96	47	1.600	200
AWI-322522-6R8	6.80	30	7.96	43	1.800	180
AWI-322522-8R2	8.20	30	7.96	40	2.000	170
AWI-322522-100	10.00	30	2.52	36	2.100	150
AWI-322522-120	12.00	30	2.52	33	2.500	140
AWI-322522-150	15.00	30	2.52	28	2.800	130
AWI-322522-180	18.00	30	2.52	25	3.300	120
AWI-322522-220	22.00	30	2.52	23	3.700	110
AWI-322522-270	27.00	30	2.52	18	5.000	80
AWI-322522-330	33.00	30	2.52	17	5.600	70
AWI-322522-390	39.00	30	2.52	16	6.400	65
AWI-322522-470	47.00	30	2.52	15	7.000	60
AWI-322522-560	56.00	30	2.52	13	8.000	55
AWI-322522-680	68.00	30	2.52	12	9.000	50
AWI-322522-820	82.00	30	2.52	11	10.000	45
AWI-322522-101	100.00	20	0.796	10	11.000	40
AWI-322522-121	120.00	20	0.796	10	12.000	70
AWI-322522-151	150.00	20	0.796	8.0	15.000	65
AWI-322522-181	180.00	20	0.796	7.0	17.000	60
AWI-322522-221	220.00	20	0.796	7.0	21.000	50



# SMD POWER INDUCTORS AWI TYPE

## ELECTRICAL SPECIFICATION

Part Number	Inductance ( $\mu$ H)	Q Min.	LQ Test	Self Resonant	DC	Rated
			Frequency (MHz)Min.	Frequency (MHz)Min.	Resistance ( $\Omega$ )Max.	Current (mA)Max.
AWI-453232-R10	0.10	35	25.2	300	0.18	800
AWI-453232-R12	0.12	35	25.2	280	0.2	770
AWI-453232-R15	0.15	35	25.2	250	0.22	730
AWI-453232-R18	0.18	35	25.2	220	0.24	700
AWI-453232-R22	0.22	40	25.2	200	0.25	665
AWI-453232-R27	0.27	40	25.2	180	0.26	635
AWI-453232-R33	0.33	40	25.2	165	0.28	605
AWI-453232-R39	0.39	40	25.2	150	0.30	575
AWI-453232-R47	0.47	40	25.2	145	0.32	545
AWI-453232-R56	0.56	40	25.2	140	0.36	520
AWI-453232-R68	0.68	40	25.2	135	0.4	500
AWI-453232-R82	0.82	40	25.2	130	0.45	475
AWI-453232-1R0	1.0	50	7.96	100	0.5	450
AWI-453232-1R2	1.2	50	7.96	80	0.55	430
AWI-453232-1R5	1.5	50	7.96	70	0.6	410
AWI-453232-1R8	1.8	50	7.96	60	0.65	390
AWI-453232-2R2	2.2	50	7.96	55	0.7	380
AWI-453232-2R7	2.7	50	7.96	50	0.75	370
AWI-453232-3R3	3.3	50	7.96	45	0.8	355
AWI-453232-3R9	3.9	50	7.96	40	0.9	330
AWI-453232-4R7	4.7	50	7.96	35	1	315
AWI-453232-5R6	5.6	50	7.96	33	1.1	300
AWI-453232-6R8	6.8	50	7.96	27	1.2	285
AWI-453232-8R2	8.2	50	7.96	25	1.4	270
AWI-453232-100	10	50	2.52	20	1.6	250
AWI-453232-120	12	50	2.52	18	2	225
AWI-453232-150	15	50	2.52	17	2.5	200
AWI-453232-180	18	50	2.52	15	2.8	190
AWI-453232-220	22	50	2.52	13	3.2	180
AWI-453232-270	27	50	2.52	12	3.6	170
AWI-453232-330	33	50	2.52	11	4	160
AWI-453232-390	39	50	2.52	10	4.5	150
AWI-453232-470	47	50	2.52	10	5	140
AWI-453232-560	56	50	2.52	9	5.5	135
AWI-453232-680	68	50	2.52	9	6	130
AWI-453232-820	82	50	2.52	8	7	120
AWI-453232-101	100	40	0.796	8	8	110
AWI-453232-121	120	40	0.796	6	8	110
AWI-453232-151	150	40	0.796	5	9	105
AWI-453232-181	180	40	0.796	5	9.5	102
AWI-453232-221	220	40	0.796	4	10	100
AWI-453232-271	270	40	0.796	4	12	92
AWI-453232-331	330	40	0.796	3.5	14	85
AWI-453232-391	390	40	0.796	3	18	80
AWI-453232-471	470	40	0.796	3	26	62
AWI-453232-561	560	30	0.796	3	30	50
AWI-453232-681	680	30	0.796	3	30	50
AWI-453232-821	820	30	0.796	2.5	35	30
AWI-453232-102	1000	20	0.252	2.5	40	30