

SMD CHIP INDUCTORS / AOI Serie

• Features

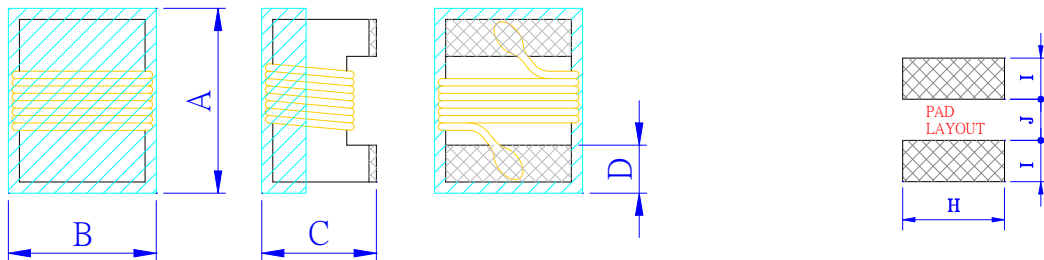
Miniature SMD chip inductors have been designed especially for the need of today's high frequency designer. Their ceramic construction delivers the highest possible SRFs as well as excellent Q values. The non-magnetic coil form also assure the utmost in thermal stability, predictability, and batch consistency.

• Applications

Pager, Cordless phone & High Freq. Communication Products.

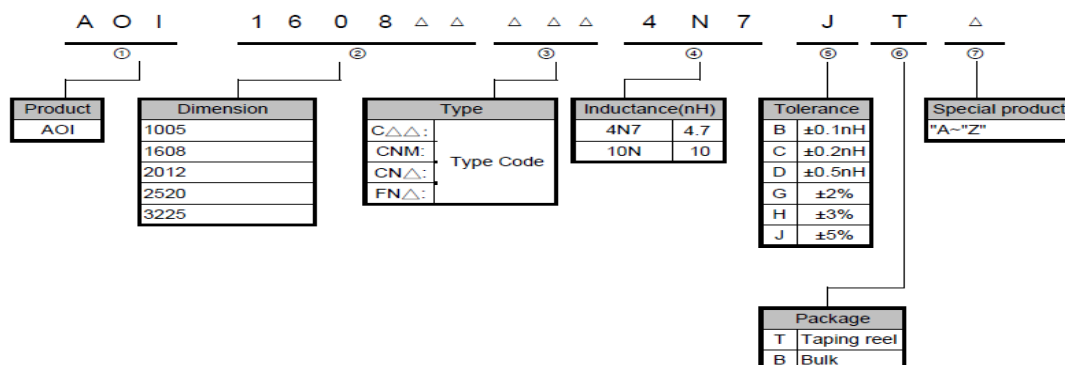


• Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	H (Ref.)	I (Ref.)	J (Ref.)
AOI1005C	1.19 MAX.	0.7 MAX.	0.66 MAX.	0.23 Ref.	0.66	0.36	0.46
AOI1005CNM	1.05±0.05	0.6±0.05	0.5±0.05	0.2 Ref.	0.56	0.36	0.46
AOI1608CN	1.8 MAX.	1.2 MAX.	1.02 MAX.	0.33 Ref.	1.02	0.64	0.64
AOI1608CNM	1.6+0.2/-0.1	1.02±0.1	0.82+0.2/-0.1	0.3 Ref.	1.02	0.64	0.64
AOI2012CN	2.4 MAX.	1.65 MAX.	1.45 MAX.	0.44 Ref.	1.78	1.02	0.76
AOI2520CN	2.9 MAX.	2.54 MAX.	2.03 MAX.	0.45 ± 0.1	2.54	1.02	1.27
AOI2012FN	2.4 MAX.	1.65 MAX.	1.45 MAX.	0.44 Ref.	1.78	1.02	0.76
AOI2520FN	2.9 MAX.	2.54 MAX.	2.03 MAX.	0.5 ± 0.1	2.54	1.02	1.27
AOI3225FN	3.6 MAX.	2.9 MAX.	2.4 MAX.	0.5 ± 0.1	2.70	1.20	2.00

■ PRODUCT IDENTIFICATION



◆ AOI1005C Series Specification :

Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (MHz)	DCR (Ω) Max.	Irms (mA) Max.
AOI1005C1N0□T	1.0/250	J , K	16/250	12700	0.045	1360
AOI1005C1N9□T	1.9/250	J , K	16/250	11300	0.070	1040
AOI1005C2N0□T	2.0/250	J , K	16/250	11100	0.070	1040
AOI1005C2N2□T	2.2/250	J , K	19/250	10800	0.070	960
AOI1005C2N4□T	2.4/250	J , K	15/250	10500	0.068	790
AOI1005C2N7□T	2.7/250	J , K	16/250	10400	0.120	640
AOI1005C3N3□T	3.3/250	J , K	19/250	7000	0.066	840
AOI1005C3N6□T	3.6/250	J , K	19/250	6800	0.066	840
AOI1005C3N9□T	3.9/250	J , K	19/250	6000	0.066	840
AOI1005C4N3□T	4.3/250	J , K	18/250	6000	0.091	700
AOI1005C4N7□T	4.7/250	J , K	15/250	4770	0.130	640
AOI1005C5N1□T	5.1/250	J , K	20/250	4800	0.083	800
AOI1005C5N6□T	5.6/250	J , K	20/250	4800	0.083	760
AOI1005C6N2□T	6.2/250	J , K	20/250	4800	0.083	760
AOI1005C6N8□T	6.8/250	J , K	20/250	4800	0.083	680
AOI1005C7N5□T	7.5/250	J , K	22/250	4800	0.100	680
AOI1005C8N2□T	8.2/250	J , K	22/250	4400	0.100	680
AOI1005C8N7□T	8.7/250	J , K	18/250	4100	0.200	480
AOI1005C9N0□T	9.0/250	J , K	22/250	4160	0.100	680
AOI1005C9N1□T	9.1/250	J , K	22/250	4160	0.100	680
AOI1005C9N5□T	9.5/250	J , K	18/250	4000	0.200	480
AOI1005C10N□T	10/250	J , K	21/250	3900	0.200	480
AOI1005C11N□T	11/250	J , K	24/250	3680	0.120	640
AOI1005C12N□T	12/250	J , K	24/250	3600	0.120	640
AOI1005C13N□T	13/250	J , K	24/250	3450	0.210	440
AOI1005C15N□T	15/250	J , K	24/250	3280	0.170	560
AOI1005C16N□T	16/250	J , K	24/250	3100	0.220	560
AOI1005C18N□T	18/250	J , K	25/250	3100	0.230	420
AOI1005C19N□T	19/250	J , K	24/250	3040	0.200	480
AOI1005C20N□T	20/250	J , K	25/250	3000	0.250	420
AOI1005C22N□T	22/250	J , K	25/250	2800	0.300	400
AOI1005C23N□T	23/250	J , K	22/250	2720	0.300	400
AOI1005C24N□T	24/250	J , K	25/250	2700	0.300	400
AOI1005C27N□T	27/250	J , K	24/250	2480	0.300	400

AOI1005C30N□T	30/250	J , K	25/250	2350	0.350	400
AOI1005C33N□T	33/250	J , K	24/250	2350	0.400	400
AOI1005C36N□T	36/250	J , K	24/250	2320	0.440	320
AOI1005C39N□T	39/250	J , K	25/250	2100	0.550	200
AOI1005C40N□T	40/250	J , K	24/250	2240	0.650	320
AOI1005C43N□T	43/250	J , K	25/250	2030	0.810	100
AOI1005C47N□T	47/250	J , K	20/250	2100	0.830	150
AOI1005C51N□T	51/250	J , K	25/250	1750	0.820	100
AOI1005C56N□T	56/250	J , K	22/250	1760	0.970	100
AOI1005C68N□T	68/250	J , K	22/250	1620	1.120	100
AOI1005C82N□T	82/250	J , K	20/250	1260	1.55	50
AOI1005CR10□T	100/250	J , K	20/250	1160	2.0	30

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise)

* □ Tolerance J : ±5% , K : ±10%

*Irms for 15℃ rise above 25℃ ambient.

◆ AOI1005CNM Series Specification :

Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (GHz)	DCR (Ω) Max.	Irms (mA) Max.
AOI1005CNM1N5□T	1.5/100	B , C , D	10/250	18.0	0.03	1000
AOI1005CNM2N4□T	2.4/100	B , C , D	20/250	15.0	0.05	850
AOI1005CNM2N5□T	2.5/100	B , C , D	20/250	15.0	0.05	850
AOI1005CNM2N7□T	2.7/100	B , C , D	20/250	15.0	0.05	850
AOI1005CNM2N9□T	2.9/100	B , C , D	20/250	15.0	0.07	750
AOI1005CNM3N9□T	3.9/100	H , J	25/250	10.0	0.07	750
AOI1005CNM4N1□T	4.1/100	H , J	25/250	10.0	0.07	750
AOI1005CNM4N3□T	4.3/100	H , J	25/250	10.0	0.07	750
AOI1005CNM4N7□T	4.7/100	H , J	25/250	8.0	0.07	750
AOI1005CNM5N1□T	5.1/100	H , J	25 Typ/250	8.0	0.12	600
AOI1005CNM5N8□T	5.8/100	H , J	25/250	8.0	0.12	700
AOI1005CNM6N2□T	6.2/100	H , J	25/250	8.0	0.09	700
AOI1005CNM6N8□T	6.8/100	H , J	25/250	6.0	0.09	700
AOI1005CNM7N3□T	7.3/100	H , J	25/250	6.0	0.13	570
AOI1005CNM7N5□T	7.5/100	H , J	25/250	6.0	0.13	570
AOI1005CNM8N2□T	8.2/100	H , J	25/250	5.5	0.14	540
AOI1005CNM8N7□T	8.7/100	H , J	25/250	5.5	0.14	540
AOI1005CNM9N1□T	9.1/100	H , J	25/250	5.5	0.14	540
AOI1005CNM9N5□T	9.5/100	H , J	25/250	5.5	0.14	540
AOI1005CNM10N□T	10/100	G , H , J	25/250	5.5	0.17	500
AOI1005CNM11N□T	11/100	G , H , J	30/250	5.5	0.14	500
AOI1005CNM12N□T	12/100	G , H , J	30/250	5.5	0.14	500
AOI1005CNM13N□T	13/100	G , H , J	25/250	5.0	0.21	430
AOI1005CNM15N□T	15/100	G , H , J	30/250	5.0	0.16	460
AOI1005CNM16N□T	16/100	G , H , J	25/250	4.5	0.24	370
AOI1005CNM18N□T	18/100	G , H , J	25/250	4.5	0.27	370
AOI1005CNM19N□T	19/100	G , H , J	25/250	4.5	0.27	370
AOI1005CNM20N□T	20/100	G , H , J	25/250	4.0	0.27	370
AOI1005CNM22N□T	22/100	G , H , J	25/250	4.0	0.30	310
AOI1005CNM23N□T	23/100	G , H , J	25/250	3.8	0.30	310
AOI1005CNM24N□T	24/100	G , H , J	25/250	3.5	0.52	280
AOI1005CNM27N□T	27/100	G , H , J	25/250	3.5	0.52	280
AOI1005CNM30N□T	30/100	G , H , J	25/250	3.3	0.58	270
AOI1005CNM33N□T	33/100	G , H , J	25/250	3.2	0.63	260

AOI1005CNM36N□T	36/100	G , H , J	25/250	3.1	0.63	260
AOI1005CNM39N□T	39/100	G , H , J	25/250	3.0	0.70	250
AOI1005CNM40N□T	40/100	G , H , J	25/250	3.0	0.70	250
AOI1005CNM47N□T	47/100	G , H , J	25/200	2.9	1.08	210
AOI1005CNM51N□T	51/100	G , H , J	25/200	2.85	1.08	210
AOI1005CNM56N□T	56/100	G , H , J	25/200	2.8	1.17	200
AOI1005CNM62N□T	62/100	G , H , J	20/200	2.6	1.82	145
AOI1005CNM68N□T	68/100	G , H , J	20/200	2.5	1.96	140
AOI1005CNM72N□T	72/100	G , H , J	20/150	2.5	2.10	135
AOI1005CNM75N□T	75/100	G , H , J	20/150	2.4	2.10	135
AOI1005CNM82N□T	82/100	G , H , J	20/150	2.3	2.24	130
AOI1005CNM91N□T	91/100	G , H , J	20/150	2.1	2.38	125
AOI1005CNMR10□T	100/100	G , H , J	20/150	1.5	2.52	120
AOI1005CNMR12□T	120/100	G , H , J	20/150	1.0	2.66	110

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise)

* □ Tolerance B : ±0.1nH , C : ±0.2nH , D : ±0.5nH , G : ±2% , H : ±3% , J : ±5%

*Irms for 15℃ rise above 25℃ ambient.

◆ AOI1608CN Series Specification :

Part Number	Inductance	Inductance	Q	900 MHz		1.7 GHz		SRF(Min.)	DCR	Irms
	(nH)/MHz	Tolerance	(Min.)/MHz	L Typ.	Q Typ.	L Typ.	Q Typ.	(MHz)	(Ω)Max.	(mA)Max.
AOI1608CN1N6□T	1.6/250	J , K	24/250	1.61	72.86	1.61	89.61	12500	0.030	700
AOI1608CN1N8□T	1.8/250	J , K	16/250	1.77	46.55	1.77	59.72	12500	0.045	700
AOI1608CN2N2□T	2.2/250	J , K	13/250	2.14	26.03	2.13	34.11	12500	0.250	700
AOI1608CN3N3□T	3.3/250	J , K	30/250	3.42	73.45	3.46	95.36	5900	0.045	700
AOI1608CN3N6□T	3.6/250	J , K	22/250	3.68	64.20	3.73	82.77	5900	0.063	700
AOI1608CN3N9□T	3.9/250	J , K	22/250	3.90	50.11	3.94	67.32	6900	0.080	700
AOI1608CN4N3□T	4.3/250	J , K	22/250	4.44	67.50	4.59	81.57	5900	0.063	700
AOI1608CN4N7□T	4.7/250	J , K	20/250	4.65	58.79	4.75	75.36	5800	0.085	700
AOI1608CN5N1□T	5.1/250	J , K	20/250	5.07	54.50	5.21	70.06	5700	0.115	700
AOI1608CN5N6□T	5.6/250	J , K	18/250	5.48	43.67	5.66	55.16	5800	0.160	700
AOI1608CN6N3□T	6.3/250	J , K	26/250	6.54	68.68	6.71	88.51	5700	0.115	700
AOI1608CN6N8□T	6.8/250	J , K	27/250	6.89	62.87	7.08	82.33	5800	0.125	700
AOI1608CN7N5□T	7.5/250	J , K	28/250	7.57	65.18	7.84	85.57	4800	0.115	700
AOI1608CN8N2□T	8.2/250	J , K	30/250	8.13	65.01	8.47	82.23	4700	0.125	700
AOI1608CN8N7□T	8.7/250	J , K	28/250	8.76	63.94	9.22	76.37	4600	0.109	700
AOI1608CN9N1□T	9.1/250	J , K	28/250	9.208	62.29	9.77	75.88	4600	0.120	700
AOI1608CN9N5□T	9.5/250	J , K	28/250	9.79	62.25	10.58	69.16	5400	0.145	700
AOI1608CN10N□T	10/250	G , J , K	31/250	10.36	69.22	10.81	90.90	4800	0.145	700
AOI1608CN11N□T	11/250	G , J , K	30/250	11.22	67.67	11.80	85.69	4000	0.145	700
AOI1608CN12N□T	12/250	G , J , K	35/250	12.37	69.26	13.22	83.39	4000	0.145	700
AOI1608CN15N□T	15/250	G , J , K	35/250	15.22	76.65	16.37	88.93	4000	0.180	700
AOI1608CN16N□T	16/250	G , J , K	34/250	16.60	79.11	18.38	79.94	3300	0.170	700
AOI1608CN18N□T	18/250	G , J , K	35/250	18.44	76.19	20.05	80.07	3100	0.180	700
AOI1608CN19N□T	19/250	G , J , K	35/250	19.71	73.77	23.35	62.78	3000	0.190	700
AOI1608CN20N□T	20/250	G , J , K	38/250	20.50	79.78	23.27	86.77	3000	0.180	700
AOI1608CN22N□T	22/250	G , J , K	38/250	22.66	78.78	25.67	83.99	3000	0.205	700
AOI1608CN23N□T	23/250	G , J , K	38/250	24.19	70.88	28.48	72.86	2850	0.205	700
AOI1608CN24N□T	24/250	G , J , K	36/250	25.74	70.93	31.01	63.21	2650	0.205	700
AOI1608CN25N□T	25/250	G , J , K	38/250	25.93	84.76	29.73	89.52	2800	0.210	600
AOI1608CN27N□T	27/250	G , J , K	40/250	29.03	59.83	37.43	46.06	2800	0.220	600
AOI1608CN30N□T	30/250	G , J , K	37/250	32.91	68.96	41.66	59.67	2250	0.220	600
AOI1608CN33N□T	33/250	G , J , K	40/250	35.72	61.57	47.39	50.44	2300	0.240	600
AOI1608CN36N□T	36/250	G , J , K	37/250	39.45	64.02	50.92	59.84	2080	0.250	600
AOI1608CN39N□T	39/250	G , J , K	40/250	42.71	61.22	58.42	47.55	2200	0.260	600
AOI1608CN43N□T	43/250	G , J , K	38/250	47.21	62.53	64.17	53.05	2000	0.280	600
AOI1608CN47N□T	47/200	G , J , K	38/200	51.82	52.98	77.03	39.17	2000	0.280	600

AOI1608CN51N□T	51/200	G , J , K	38/250	59.27	50.95	103.80	23.61	2130	0.300	600
AOI1608CN56N□T	56/200	G , J , K	38/200	64.38	51.47	108.1	28.82	1900	0.310	600
AOI1608CN62N□T	62/200	G , J , K	37/200	73.30	42.68	156.50	16.15	1800	0.330	600
AOI1608CN68N□T	68/200	G , J , K	37/200	80.23	44.33	174.00	18.31	1700	0.340	600
AOI1608CN72N□T	72/150	G , J , K	34/150	86.67	41.11	212.9	15.59	1700	0.490	400
AOI1608CN82N□T	82/150	G , J , K	34/150	101.20	37.88	300.60	11.78	1700	0.540	400
AOI1608CN91N□T	91/150	G , J , K	34/150	111.80	49.36	-	-	1500	0.560	400
AOI1608CNR10□T	100/150	G , J , K	34/150	126.90	36.13	-	-	1400	0.580	400
AOI1608CNR11□T	110/150	G , J , K	32/150	146.80	34.58	-	-	1350	0.610	300
AOI1608CNR12□T	120/150	G , J , K	32/150	166.80	28.57	-	-	1300	0.750	300
AOI1608CNR13□T	130/150	G , J , K	32/150	180.10	36.93	-	-	1200	0.750	280
AOI1608CNR15□T	150/150	G , J , K	28/150	234.90	21.92	-	-	990	0.920	280
AOI1608CNR17□T	170/100	G , J , K	25/100	228.40	34.96	-	-	990	1.150	240
AOI1608CNR18□T	180/100	G , J , K	25/100	289.10	19.93	-	-	990	1.250	240
AOI1608CNR19□T	190/100	G , J , K	25/100	279.10	30.83	-	-	990	1.350	200
AOI1608CNR20□T	200/100	G , J , K	25/100	-	-	-	-	990	1.500	200
AOI1608CNR22□T	220/100	G , J , K	25/100	-	-	-	-	900	1.700	200
AOI1608CNR24□T	240/100	G , J , K	25/100	-	-	-	-	900	1.700	200
AOI1608CNR27□T	270/100	G , J , K	24/100	-	-	-	-	900	2.000	170
AOI1608CNR33□T	330/100	G , J , K	25/100	-	-	-	-	900	2.750	100
AOI1608CNR34□T	340/100	G , J , K	25/100	-	-	-	-	900	2.900	100
AOI1608CNR39□T	390/100	G , J , K	25/100	-	-	-	-	900	3.150	100
AOI1608CNR47□T	470/100	G , J , K	25/100	-	-	-	-	750	4.000	80

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise)

* □ Tolerance G : ±2% , J : ±5% , K : ±10%

*Irms for 15℃ rise above 25℃ ambient.

◆ AOI1608CNM Series Specification :

Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (GHz)	DCR (Ω) Max.	Irms (mA) Max.
AOI1608CNM2N2□T	2.2/100	B , C , D	16/250	6.0	0.049	700
AOI1608CNM3N6□T	3.6/100	H , J	25/250	6.0	0.059	850
AOI1608CNM3N9□T	3.9/100	H , J	35/250	6.0	0.059	850
AOI1608CNM4N3□T	4.3/100	H , J	35/250	6.0	0.059	850
AOI1608CNM4N7□T	4.7/100	H , J	35/250	6.0	0.059	850
AOI1608CNM5N6□T	5.6/100	H , J	35/250	6.0	0.082	750
AOI1608CNM6N2□T	6.2/100	H , J	35/250	6.0	0.082	750
AOI1608CNM6N8□T	6.8/100	H , J	35/250	6.0	0.082	750
AOI1608CNM7N5□T	7.5/100	H , J	35/250	6.0	0.110	750
AOI1608CNM8N2□T	8.2/100	H , J	35/250	6.0	0.110	650
AOI1608CNM8N7□T	8.7/100	H , J	35/250	6.0	0.110	650
AOI1608CNM9N1□T	9.1/100	H , J	35/250	6.0	0.110	650
AOI1608CNM9N5□T	9.5/100	H , J	35/250	6.0	0.110	650
AOI1608CNM10N□T	10/100	G , H , J	35/250	6.0	0.110	650
AOI1608CNM11N□T	11/100	G , H , J	35/250	6.0	0.130	650
AOI1608CNM12N□T	12/100	G , H , J	35/250	6.0	0.130	600
AOI1608CNM13N□T	13/100	G , H , J	35/250	6.0	0.130	600
AOI1608CNM15N□T	15/100	G , H , J	40/250	6.0	0.130	600
AOI1608CNM16N□T	16/100	G , H , J	40/250	5.5	0.160	550
AOI1608CNM18N□T	18/100	G , H , J	40/250	5.5	0.160	550
AOI1608CNM20N□T	20/100	G , H , J	40/250	4.9	0.160	550
AOI1608CNM22N□T	22/100	G , H , J	40/250	4.6	0.170	500
AOI1608CNM24N□T	24/100	G , H , J	40/250	3.8	0.210	500
AOI1608CNM27N□T	27/100	G , H , J	40/250	3.7	0.210	440
AOI1608CNM30N□T	30/100	G , H , J	40/250	3.3	0.230	420
AOI1608CNM33N□T	33/100	G , H , J	40/250	3.2	0.230	420
AOI1608CNM36N□T	36/100	G , H , J	40/250	2.9	0.260	400
AOI1608CNM39N□T	39/100	G , H , J	40/250	2.8	0.260	400
AOI1608CNM43N□T	43/100	G , H , J	40/200	2.7	0.290	380
AOI1608CNM47N□T	47/100	G , H , J	38/200	2.6	0.290	380
AOI1608CNM51N□T	51/100	G , H , J	38/200	2.5	0.330	370
AOI1608CNM56N□T	56/100	G , H , J	38/200	2.4	0.350	360
AOI1608CNM62N□T	62/100	G , H , J	38/200	2.3	0.510	280
AOI1608CNM68N□T	68/100	G , H , J	38/200	2.2	0.380	340

AOI1608CNM72N□T	72/100	G , H , J	34/150	2.1	0.560	270
AOI1608CNM75N□T	75/100	G , H , J	34/150	2.05	0.560	270
AOI1608CNM82N□T	82/100	G , H , J	34/150	2.00	0.600	250
AOI1608CNM91N□T	91/100	G , H , J	34/150	1.90	0.640	230
AOI1608CNMR10□T	100/100	G , H , J	34/150	1.80	0.680	220
AOI1608CNMR11□T	110/100	G , H , J	32/150	1.70	1.200	200
AOI1608CNMR12□T	120/100	G , H , J	32/150	1.60	1.300	180
AOI1608CNMR13□T	130/100	G , H , J	32/150	1.45	1.400	170
AOI1608CNMR15□T	150/100	G , H , J	32/150	1.40	1.500	160
AOI1608CNMR16□T	160/100	G , H , J	32/150	1.35	2.100	150
AOI1608CNMR18□T	180/100	G , H , J	25/100	1.30	2.200	140
AOI1608CNMR20□T	200/100	G , H , J	25/100	1.25	2.400	120
AOI1608CNMR22□T	220/100	G , H , J	25/100	1.20	2.500	120
AOI1608CNMR27□T	270/100	G , H , J	30/100	0.96	3.400	110
AOI1608CNMR33□T	330/100	G , H , J	30/100	0.80	5.500	85
AOI1608CNMR39□T	390/100	G , H , J	30/100	0.80	6.200	80
AOI1608CNMR47□T	470/100	G , H , J	30/100	0.70	7.000	75

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise)

* □ Tolerance B : ±0.1nH , C : ±0.2nH , D : ±0.5nH , G : ±2% , H : ±3% , J : ±5%

*Irms for 15°C rise above 25°C ambient.

◆ AOI2012CN Sreies Specification :

Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (MHz)	DCR (Ω) Max.	Irms (mA) Max.
AOI2012CN2N8□T	2.8/250	J , K	55/1500	7900	0.06	800
AOI2012CN3N0□T	3.0/250	J , K	55/1500	7900	0.08	800
AOI2012CN3N3□T	3.3/250	J , K	45/1500	7900	0.12	600
AOI2012CN5N1□T	5.1/250	J , K	60/1000	5800	0.06	600
AOI2012CN5N6□T	5.6/250	J , K	65/1000	5500	0.08	600
AOI2012CN6N2□T	6.2/250	J , K	50/1000	5500	0.11	800
AOI2012CN6N8□T	6.8/250	J , K	50/1000	5500	0.11	600
AOI2012CN7N5□T	7.5/250	J , K	50/1000	4500	0.14	600
AOI2012CN8N2□T	8.2/250	J , K	50/1000	4700	0.16	600
AOI2012CN8N7□T	8.7/250	J , K	50/500	4700	0.23	600
AOI2012CN10N□T	10/250	G , J , K	60/500	4200	0.10	600
AOI2012CN12N□T	12/250	G , J , K	50/500	4000	0.15	600
AOI2012CN15N□T	15/250	G , J , K	50/500	3400	0.17	600
AOI2012CN18N□T	18/250	G , J , K	50/500	3300	0.20	600
AOI2012CN22N□T	22/250	G , J , K	55/500	2600	0.22	500
AOI2012CN24N□T	24/250	G , J , K	50/500	2000	0.22	500
AOI2012CN27N□T	27/250	G , J , K	55/500	2500	0.25	500
AOI2012CN33N□T	33/250	G , J , K	60/500	2050	0.27	500
AOI2012CN36N□T	36/250	G , J , K	55/500	1700	0.27	500
AOI2012CN39N□T	39/250	G , J , K	60/500	2000	0.29	500
AOI2012CN43N□T	43/200	G , J , K	60/500	1650	0.34	500
AOI2012CN47N□T	47/200	G , J , K	60/500	1650	0.31	500
AOI2012CN56N□T	56/200	G , J , K	60/500	1550	0.34	500
AOI2012CN68N□T	68/200	G , J , K	60/500	1450	0.38	500
AOI2012CN75N□T	75/200	G , J , K	60/500	1400	0.40	400
AOI2012CN82N□T	82/150	G , J , K	65/500	1300	0.42	400
AOI2012CN91N□T	91/150	G , J , K	65/500	1200	0.48	400
AOI2012CNR10□T	100/150	G , J , K	65/500	1200	0.46	400
AOI2012CNR11□T	110/150	G , J , K	50/250	1000	0.48	400
AOI2012CNR12□T	120/150	G , J , K	50/250	1100	0.51	400
AOI2012CNR15□T	150/100	G , J , K	50/250	920	0.56	400
AOI2012CNR16□T	160/100	G , J , K	50/250	900	0.60	400
AOI2012CNR18□T	180/100	G , J , K	50/250	870	0.64	400
AOI2012CNR20□T	200/100	G , J , K	50/250	865	0.68	400
AOI2012CNR22□T	220/100	G , J , K	50/250	850	0.70	400
AOI2012CNR24□T	240/100	G , J , K	44/250	690	1.00	350

AOI2012CNR25□T	250/100	G , J , K	48/250	680	1.00	350
AOI2012CNR27□T	270/100	G , J , K	48/250	650	1.00	350
AOI2012CNR33□T	330/100	G , J , K	48/250	750	1.40	310
AOI2012CNR39□T	390/100	G , J , K	48/250	560	1.50	290
AOI2012CNR43□T	430/50	G , J , K	33/100	430	1.70	270
AOI2012CNR47□T	470/50	G , J , K	30/100	375	1.76	250
AOI2012CNR56□T	560/25	G , J , K	23/50	340	1.90	230
AOI2012CNR62□T	620/25	G , J , K	23/50	220	2.20	210
AOI2012CNR68□T	680/25	G , J , K	23/50	188	2.20	190
AOI2012CNR75□T	750/25	G , J , K	23/50	200	2.30	180
AOI2012CNR82□T	820/25	G , J , K	23/50	215	2.35	180
AOI2012CN1R0□T	1000/25	G , J , K	22/50	200	2.45	180
AOI2012CN1R2□T	1200/7.9	G , J , K	16/7.9	160	2.45	170
AOI2012CN1R5□T	1500/7.9	G , J , K	16/7.9	120	2.50	170
AOI2012CN1R8□T	1800/7.9	G , J , K	16/7.9	80	2.50	170
AOI2012CN2R2□T	2200/7.9	G , J , K	16/7.9	60	2.70	160
AOI2012CN2R7□T	2700/7.9	G , J , K	16/7.9	50	3.80	160

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise)

* □ Tolerance G : ±2% , J : ±5% , K : ±10%

*Irms for 15°C rise above 25°C ambient.

◆ AOI2520CN Sreies Specification :

Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (MHz)	DCR (Ω) Max.	Irms (mA) Max.
AOI2520CN10N□T	10/50	G , J , K	50/500	4100	0.08	1000
AOI2520CN12N□T	12/50	G , J , K	50/500	3300	0.09	1000
AOI2520CN15N□T	15/50	G , J , K	45/500	2500	0.10	1000
AOI2520CN18N□T	18/50	G , J , K	50/350	2500	0.11	1000
AOI2520CN22N□T	22/50	G , J , K	55/350	2400	0.12	1000
AOI2520CN27N□T	27/50	G , J , K	55/350	1600	0.13	1000
AOI2520CN33N□T	33/50	G , J , K	60/350	1600	0.14	1000
AOI2520CN39N□T	39/50	G , J , K	60/350	1500	0.15	1000
AOI2520CN47N□T	47/50	G , J , K	65/350	1500	0.16	1000
AOI2520CN56N□T	56/50	G , J , K	65/350	1300	0.18	1000
AOI2520CN68N□T	68/50	G , J , K	65/350	1300	0.20	1000
AOI2520CN82N□T	82/50	G , J , K	60/350	1000	0.22	1000
AOI2520CNR10□T	100/25	G , J , K	60/350	1000	0.56	650
AOI2520CNR12□T	120/25	G , J , K	60/350	950	0.63	650
AOI2520CNR15□T	150/25	G , J , K	45/100	850	0.70	580
AOI2520CNR18□T	180/25	G , J , K	45/100	750	0.77	620
AOI2520CNR22□T	220/25	G , J , K	45/100	700	0.84	500
AOI2520CNR27□T	270/25	G , J , K	45/100	600	0.91	500
AOI2520CNR33□T	330/25	G , J , K	45/100	570	1.05	450
AOI2520CNR39□T	390/25	G , J , K	45/100	500	1.12	470
AOI2520CNR47□T	470/25	G , J , K	45/100	450	1.19	470
AOI2520CNR56□T	560/25	G , J , K	45/100	415	1.33	400
AOI2520CNR62□T	620/25	G , J , K	45/100	375	1.40	300
AOI2520CNR68□T	680/25	G , J , K	45/100	375	1.47	400
AOI2520CNR75□T	750/25	G , J , K	45/100	360	1.54	360
AOI2520CNR82□T	820/25	G , J , K	45/100	350	1.65	400
AOI2520CNR91□T	910/25	G , J , K	35/50	320	1.68	380
AOI2520CN1R0□T	1000/25	G , J , K	35/50	290	1.75	370
AOI2520CN1R2□T	1200/7.9	G , J , K	35/50	250	2.00	310
AOI2520CN1R5□T	1500/7.9	G , J , K	28/50	200	2.30	330
AOI2520CN1R8□T	1800/7.9	G , J , K	28/50	160	2.60	300
AOI2520CN2R2□T	2200/7.9	G , J , K	28/50	160	2.80	280
AOI2520CN2R7□T	2700/7.9	G , J , K	22/25	135	3.20	290
AOI2520CN3R3□T	3300/7.9	G , J , K	22/25	110	3.40	290
AOI2520CN3R9□T	3900/7.9	G , J , K	20/25	100	3.60	260
AOI2520CN4R7□T	4700/7.9	G , J , K	20/25	90	4.00	260
AOI2520CN5R6□T	5600/7.9	G , J , K	18/7.9	40	4.20	240
AOI2520CN6R8□T	6800/7.9	G , J , K	18/7.9	40	4.90	200
AOI2520CN8R2□T	8200/7.9	G , J , K	18/7.9	25	6.10	170
AOI2520CN100□T	10000/2.5	G , J , K	18/7.9	25	8.00	150

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise)

* □ Tolerance G : $\pm 2\%$, J : $\pm 5\%$, K : $\pm 10\%$

* Irms for 15°C rise above 25°C ambient.

◆ AOI2012FN Series Specification :

Part Number	Inductance (μ H)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (MHz)	DCR (Ω) Max.	IDC (mA) Max.
AOI2012FNR12□T	0.12/25	J , K	25/25	1000	0.18	1500
AOI2012FNR15□T	0.15/25	J , K	25/25	1000	0.18	1400
AOI2012FNR18□T	0.18/25	J , K	30/25	1000	0.20	1400
AOI2012FNR22□T	0.22/25	J , K	30/25	830	0.25	1350
AOI2012FNR27□T	0.27/25	J , K	30/25	800	0.38	1300
AOI2012FNR33□T	0.33/25	J , K	30/25	750	0.35	1200
AOI2012FNR39□T	0.39/25	J , K	30/25	700	0.35	1160
AOI2012FNR47□T	0.47/25	J , K	30/25	690	0.40	1100
AOI2012FNR56□T	0.56/25	J , K	30/25	640	0.40	1040
AOI2012FNR62□T	0.62/25	J , K	30/25	640	0.45	980
AOI2012FNR68□T	0.68/25	J , K	30/25	510	0.50	900
AOI2012FNR82□T	0.82/25	J , K	30/25	500	0.50	900
AOI2012FNR91□T	0.91/25	J , K	30/25	500	0.55	900
AOI2012FN1R0□T	1.0/7.9	J , K	20/7.9	470	0.60	840
AOI2012FN1R2□T	1.2/7.9	J , K	20/7.9	400	0.75	800
AOI2012FN1R5□T	1.5/7.9	J , K	25/7.9	400	1.00	720
AOI2012FN1R8□T	1.8/7.9	J , K	25/7.9	230	1.00	660
AOI2012FN2R2□T	2.2/7.9	J , K	25/7.9	200	1.05	600
AOI2012FN2R7□T	2.7/7.9	J , K	25/7.9	130	1.18	500
AOI2012FN3R3□T	3.3/7.9	J , K	25/7.9	160	1.26	480
AOI2012FN3R9□T	3.9/7.9	J , K	25/7.9	130	1.75	440
AOI2012FN4R7□T	4.7/7.9	J , K	25/7.9	120	1.87	390
AOI2012FN5R6□T	5.6/7.9	J , K	25/7.9	90	2.00	340
AOI2012FN6R8□T	6.8/7.9	J , K	25/7.9	55	2.15	300
AOI2012FN8R2□T	8.2/7.9	J , K	25/7.9	40	2.37	280
AOI2012FN100□T	10/2.5	J , K	16/2.5	40	2.55	260
AOI2012FN120□T	12/2.5	J , K	16/2.5	37	2.80	220
AOI2012FN150□T	15/2.5	J , K	16/2.5	30	3.80	200
AOI2012FN180□T	18/2.5	J , K	16/2.5	23	4.48	180
AOI2012FN220□T	22/2.5	J , K	16/2.5	20	6.30	160
AOI2012FN270□T	27/2.5	J , K	16/2.5	19	6.85	140
AOI2012FN330□T	33/2.5	J , K	16/2.5	18	7.60	120

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise)

* □ Tolerance J : $\pm 5\%$, K : $\pm 10\%$

*IDC for inductance drop 10% from its value without current.

◆ AOI2520FN Series Specification :

Part Number	Inductance (uH)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Min.) (MHz)	DCR (Ω) Max.	IDC (mA) Max.
AOI2520FNR12□T	0.12/25	J , K	26/25	930	0.30	1000
AOI2520FNR18□T	0.18/25	J , K	30/25	930	0.30	960
AOI2520FNR20□T	0.20/25	J , K	30/25	735	0.30	960
AOI2520FNR22□T	0.22/25	J , K	27/25	750	0.40	880
AOI2520FNR33□T	0.33/25	J , K	30/25	600	0.42	900
AOI2520FNR39□T	0.39/25	J , K	30/25	480	0.45	920
AOI2520FNR47□T	0.47/25	J , K	30/25	470	0.50	920
AOI2520FNR56□T	0.56/25	J , K	30/25	460	0.55	900
AOI2520FNR62□T	0.62/25	J , K	30/25	460	0.55	900
AOI2520FNR68□T	0.68/25	J , K	30/25	420	0.55	880
AOI2520FNR75□T	0.75/25	J , K	30/25	420	0.65	880
AOI2520FNR82□T	0.82/25	J , K	30/25	380	0.65	840
AOI2520FNR91□T	0.91/25	J , K	30/25	400	0.65	840
AOI2520FN1R0□T	1.0/7.9	J , K	25/7.9	300	0.60	800
AOI2520FN1R2□T	1.2/7.9	J , K	25/7.9	280	0.74	800
AOI2520FN1R5□T	1.5/7.9	J , K	25/7.9	245	0.85	780
AOI2520FN1R8□T	1.8/7.9	J , K	25/7.9	240	0.92	780
AOI2520FN2R2□T	2.2/7.9	J , K	25/7.9	205	1.10	760
AOI2520FN2R7□T	2.7/7.9	J , K	25/7.9	187	1.22	760
AOI2520FN3R3□T	3.3/7.9	J , K	25/7.9	165	1.37	740
AOI2520FN3R9□T	3.9/7.9	J , K	25/7.9	144	1.66	700
AOI2520FN4R7□T	4.7/7.9	J , K	25/7.9	110	1.68	660
AOI2520FN5R6□T	5.6/7.9	J , K	25/7.9	88	1.75	640
AOI2520FN6R8□T	6.8/7.9	J , K	25/7.9	70	1.85	640
AOI2520FN8R2□T	8.2/7.9	J , K	25/7.9	57	2.00	600
AOI2520FN100□T	10/7.9	J , K	25/7.9	55	2.32	600
AOI2520FN120□T	12/2.5	J , K	15/2.5	52	2.99	560
AOI2520FN150□T	15/2.5	J , K	15/2.5	49	3.42	480
AOI2520FN180□T	18/2.5	J , K	15/2.5	48	4.65	420
AOI2520FN220□T	22/2.5	J , K	15/2.5	25	5.12	420
AOI2520FN270□T	27/2.5	J , K	15/2.5	23	5.76	420
AOI2520FN330□T	33/2.5	J , K	15/2.5	17	6.44	400
AOI2520FN390□T	39/2.5	J , K	15/2.5	15	6.85	380
AOI2520FN470□T	47/2.5	J , K	14/2.5	13	9.94	260
AOI2520FN560□T	56/2.5	J , K	14/2.5	10	10.70	280
AOI2520FN680□T	68/2.5	J , K	14/2.5	8	12.80	260
AOI2520FN820□T	82/2.5	J , K	14/2.5	8	18.30	240
AOI2520FN101□T	100/1.0	J , K	8/1.0	7	19.60	200

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise)

* □ Tolerance J : $\pm 5\%$, K : $\pm 10\%$

*IDC for inductance drop 10% from its value without current.

◆ AOI3225FN Series Specification :

Part Number	Inductance (μ H)/MHz	Inductance Tolerance	Q (Min.)/MHz	SRF(Typ.) (MHz)	DCR (Ω) Max.	IDC (mA) Max.
AOI3225FNR39□T	0.39/25	J	40/25	500	0.30	1500
AOI3225FNR82□T	0.82/25	J , K	35/25	340	0.38	1300
AOI3225FN1R0□T	1.0/7.9	J , K	35/7.9	320	0.42	1200
AOI3225FN1R2□T	1.2/7.9	J , K	35/7.9	280	0.47	1100
AOI3225FN1R5□T	1.5/7.9	J , K	35/7.9	250	0.50	1100
AOI3225FN1R8□T	1.8/7.9	J , K	40/7.9	203	0.62	1000
AOI3225FN2R2□T	2.2/7.9	J , K	33/7.9	200	0.65	1000
AOI3225FN2R7□T	2.7/7.9	J , K	40/7.9	200	0.65	1000
AOI3225FN3R0□T	3.0/7.9	J , K	40/7.9	180	0.78	800
AOI3225FN3R3□T	3.3/7.9	J , K	30/7.9	146	0.83	1200
AOI3225FN3R9□T	3.9/7.9	J , K	30/7.9	139	1.74	900
AOI3225FN4R7□T	4.7/7.9	J , K	35/7.9	124	1.90	800
AOI3225FN5R6□T	5.6/7.9	J , K	30/7.9	114	2.05	700
AOI3225FN6R8□T	6.8/7.9	J , K	30/7.9	109	1.37	450
AOI3225FN100□T	10/2.5	J , K	23/2.5	90	1.70	590
AOI3225FN150□T	15/2.5	J , K	25/2.5	67	2.22	340
AOI3225FN180□T	18/2.5	J , K	25/2.5	57	2.42	330
AOI3225FN220□T	22/2.5	J , K	25/2.5	48	2.66	300
AOI3225FN270□T	27/2.5	J , K	25/2.5	38	2.99	250
AOI3225FN330□T	33/2.5	J , K	25/2.5	26	3.24	220
AOI3225FN390□T	39/2.5	J , K	25/2.5	24	3.61	195
AOI3225FN470□T	47/2.5	J , K	25/2.5	22	3.96	195
AOI3225FN560□T	56/2.5	J , K	25/2.5	20	4.36	190
AOI3225FN680□T	68/2.5	J , K	23/2.5	15	4.50	340
AOI3225FN820□T	82/2.5	J , K	23/2.5	15	5.95	300
AOI3225FN101□T	100/1	J , K	15/1	14	6.62	250
AOI3225FN121□T	120/1	J , K	15/1	11	7.53	190
AOI3225FN151□T	150/1	J , K	15/1	11	8.29	135
AOI3225FN181□T	180/1	J , K	15/1	10	11.53	100
AOI3225FN221□T	220/1	J , K	15/1	8	12.48	80

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise)

* □ Tolerance J : $\pm 5\%$, K : $\pm 10\%$

* IDC for inductance drop 10% from its value without current.