

HWC-D Series

Features

- Utilizing a miniaturized winding structure.
- These products provide low DC resistance and high current.
- Precision inductance tolerance is available.
- RoHS compliance.
- Halogen Free.

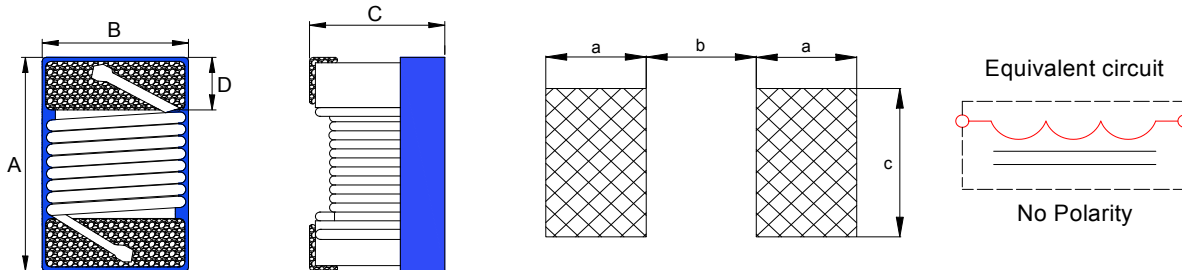
Applications

- Personal computer, Hard disk drives.
- xDSL modem and Cable modem.
- Digital camera and other electronic equipment.

Test Conditions

- L, Q : Agilent/HP E4991A+ Agilent/HP16197A.
- SRF : Agilent/HP E4991A+ Agilent/HP 16197A.
- Rdc : DIGITAL MILLIOHM METER Chroma 16502 or equivalent.
- Irms : DC current(A) that will cause an approximate ΔT of 40°C.
- Operating temperature range from -40°C to 125°C(Including self - temperature rise).

External Dimensions (Unit:mm)



TYPE	METRIC	A Max	B Max	C Max	D Ref	a Ref	b Ref	c Ref	Q'TY/Reel
HWC1005	0402	1.19	0.7	0.66	0.23	0.36	0.46	0.66	10000
HWC1608	0603	1.8	1.2	1.02	0.33	0.64	0.64	1.02	4000
HWC2012	0805	2.4	1.73	1.52	0.44	1.02	0.76	1.78	2000
HWC2520	1008	2.92	2.79	2.23	0.5	1.02	1.27	2.54	2000
HWC3225	1210	3.6	2.9	2.4	0.5	1.02	1.78	2.54	2000

2. Part Number Code

HWC	1005	J	1N0	D
Series Name	Dimensions: L*W*H	Tolerance J:5% S:±0.3nH	Inductance	Internal Controls

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC1005S1N0D	1	250	10/250	12900	0.045	1360
HWC1005S1N2D	1.2	250	8/250	12900	0.15	900
HWC1005S1N3D	1.3	250	8/250	12900	0.15	800
HWC1005S1N5D	1.5	250	8/250	12900	0.15	800
HWC1005J1N8D	1.8	250	20/250	12000	0.07	1040
HWC1005J1N9D	1.9	250	20/250	11300	0.07	1040
HWC1005J2N0D	2	250	23/250	11100	0.09	1040
HWC1005J2N2D	2.2	250	22/250	10800	0.09	960
HWC1005J2N4D	2.4	250	22/250	10500	0.09	790
HWC1005J2N7D	2.7	250	12/250	10400	0.17	200
HWC1005J3N0D	3	250	24/250	7000	0.076	840
HWC1005J3N3D	3.3	250	24/250	7000	0.076	840
HWC1005J3N6D	3.6	250	24/250	6800	0.076	840
HWC1005J3N9D	3.9	250	24/250	6000	0.076	840
HWC1005J4N1D	4.1	250	22/250	6000	0.091	700
HWC1005J4N3D	4.3	250	22/250	6000	0.091	700
HWC1005J4N7D	4.7	250	20/250	4770	0.13	640
HWC1005J5N1D	5.1	250	23/250	4800	0.11	800
HWC1005J5N6D	5.6	250	25/250	4800	0.11	760
HWC1005J5N8D	5.8	250	25/250	4800	0.11	760
HWC1005J6N2D	6.2	250	25/250	4800	0.11	760
HWC1005J6N8D	6.8	250	24/250	4800	0.12	680
HWC1005J7N2D	7.2	250	25/250	4800	0.12	680
HWC1005J7N3D	7.3	250	25/250	4800	0.12	680
HWC1005J7N5D	7.5	250	25/250	4800	0.15	680
HWC1005J8N2D	8.2	250	25/250	4400	0.15	680
HWC1005J8N7D	8.7	250	25/250	4100	0.2	480
HWC1005J9N0D	9	250	25/250	4160	0.15	680
HWC1005J9N1D	9.1	250	25/250	4160	0.15	680
HWC1005J9N5D	9.5	250	24/250	4000	0.2	480
HWC1005J10ND	10	250	24/250	3900	0.2	480
HWC1005J11ND	11	250	26/250	3680	0.12	640
HWC1005J12ND	12	250	26/250	3600	0.12	640
HWC1005J13ND	13	250	24/250	3450	0.21	440

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC1005J15ND	15	250	26/250	3280	0.17	560
HWC1005J16ND	16	250	25/250	3100	0.25	560
HWC1005J18ND	18	250	25/250	3100	0.23	420
HWC1005J19ND	19	250	26/250	3040	0.24	480
HWC1005J20ND	20	250	26/250	3000	0.25	420
HWC1005J22ND	22	250	25/250	2800	0.3	400
HWC1005J23ND	23	250	25/250	2720	0.3	400
HWC1005J24ND	24	250	25/250	2700	0.35	400
HWC1005J27ND	27	250	25/250	2480	0.3	400
HWC1005J30ND	30	250	25/250	2350	0.4	400
HWC1005J33ND	33	250	24/250	2350	0.4	400
HWC1005J36ND	36	250	25/250	2320	0.5	320
HWC1005J39ND	39	250	25/250	2100	0.55	200
HWC1005J40ND	40	250	24/250	2240	0.65	320
HWC1005J43ND	43	250	25/250	2030	0.81	100
HWC1005J47ND	47	250	25/250	2100	0.83	150
HWC1005J51ND	51	250	25/250	1750	0.92	100
HWC1005J56ND	56	250	25/250	1760	0.97	100
HWC1005J62ND	62	250	25/250	1620	1.4	100
HWC1005J68ND	68	250	25/250	1620	1.5	100
HWC1005J72ND	72	250	25/250	1260	1.7	50
HWC1005J75ND	75	250	25/250	1260	1.75	50
HWC1005J77ND	77	250	25/250	1260	1.75	50
HWC1005J82ND	82	250	25/250	1260	1.8	50
HWC1005J91ND	91	250	24/250	1160	2.2	30
HWC1005JR10D	100	250	24/250	1160	2.5	30
HWC1005JR11D	110	250	24/250	1150	2.6	30
HWC1005JR12D	120	250	24/250	1100	2.2	30
HWC1608J1N5D	1.5	250	24/250	12500	0.03	700
HWC1608J1N6D	1.6	250	24/250	12500	0.03	700
HWC1608J1N8D	1.8	250	16/250	12500	0.045	700
HWC1608J2N0D	2	250	12/250	12500	0.25	100
HWC1608J2N2D	2.2	100	12/100	12500	0.25	100
HWC1608J2N7D	2.7	250	22/250	5900	0.045	700

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC1608J3N3D	3.3	250	22/250	5900	0.045	700
HWC1608J3N6D	3.6	250	22/250	5900	0.063	700
HWC1608J3N9D	3.9	250	22/250	6900	0.08	700
HWC1608J4N3D	4.3	250	22/250	5900	0.063	700
HWC1608J4N7D	4.7	250	20/250	5800	0.116	700
HWC1608J5N1D	5.1	250	20/250	5700	0.14	700
HWC1608J5N6D	5.6	250	26/250	4760	0.075	700
HWC1608J6N2D	6.2	250	20/250	5700	0.14	700
HWC1608J6N3D	6.3	250	20/250	5700	0.14	700
HWC1608J6N8D	6.8	250	27/250	5800	0.11	700
HWC1608J7N5D	7.5	250	28/250	4800	0.106	700
HWC1608J8N0D	8	250	28/250	4700	0.109	700
HWC1608J8N2D	8.2	250	30/250	4200	0.115	700
HWC1608J8N7D	8.7	250	28/250	4600	0.109	700
HWC1608J9N1D	9.1	250	28/250	5400	0.125	700
HWC1608J9N5D	9.5	250	28/250	5400	0.125	700
HWC1608J10ND	10	250	31/250	4800	0.13	700
HWC1608J11ND	11	250	30/250	4000	0.13	700
HWC1608J12ND	12	250	35/250	4000	0.13	700
HWC1608J13ND	13	250	35/250	4000	0.13	700
HWC1608J15ND	15	250	35/250	4000	0.17	700
HWC1608J16ND	16	250	34/250	3300	0.17	700
HWC1608J18ND	18	250	35/250	3100	0.17	700
HWC1608J20ND	20	250	36/250	3000	0.18	700
HWC1608J22ND	22	250	38/250	3000	0.19	700
HWC1608J23ND	23	250	38/250	3000	0.19	700
HWC1608J24ND	24	250	36/250	2650	0.135	700
HWC1608J27ND	27	250	40/250	2800	0.22	600
HWC1608J30ND	30	250	37/250	2250	0.22	600
HWC1608J33ND	33	250	40/250	2300	0.22	600
HWC1608J36ND	36	250	37/250	2080	0.25	600
HWC1608J39ND	39	250	40/250	2200	0.25	600
HWC1608J43ND	43	250	38/250	2000	0.28	600
HWC1608J47ND	47	200	38/200	2000	0.28	600

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC1608J51ND	51	200	35/200	1900	0.27	600
HWC1608J56ND	56	200	38/200	1900	0.31	600
HWC1608J60ND	60	200	37/200	1800	0.33	600
HWC1608J62ND	62	200	37/200	1800	0.33	600
HWC1608J68ND	68	200	37/200	1700	0.34	600
HWC1608J72ND	72	150	34/150	1700	0.49	400
HWC1608J75ND	75	150	28/150	1700	0.52	400
HWC1608J82ND	82	150	34/150	1700	0.54	400
HWC1608J85ND	85	150	34/150	1700	0.58	400
HWC1608J90ND	90	150	28/150	1600	0.58	400
HWC1608J91ND	91	150	28/150	1600	0.58	400
HWC1608JR10D	100	150	34/150	1400	0.58	400
HWC1608JR11D	110	150	32/150	1350	0.61	300
HWC1608JR12D	120	150	32/150	1300	0.65	300
HWC1608JR13D	130	150	32/150	1150	0.92	290
HWC1608JR15D	150	150	28/150	990	0.92	280
HWC1608JR16D	160	150	28/150	990	1.25	280
HWC1608JR18D	180	100	25/100	990	1.25	240
HWC1608JR20D	200	100	25/100	900	1.98	200
HWC1608JR22D	220	100	25/100	900	2.1	200
HWC1608JR24D	240	100	25/100	900	2.2	200
HWC1608JR25D	250	100	25/100	882	2.55	120
HWC1608JR27D	270	100	26/100	830	2.16	170
HWC1608JR29D	290	100	25/100	800	3.2	100
HWC1608JR30D	300	100	25/100	790	2.5	100
HWC1608JR33D	330	100	25/100	790	3.89	100
HWC1608JR39D	390	100	25/100	780	4.35	100
HWC1608JR47D	470	100	25/100	700	4.5	100
HWC1608JR56D	560	100	23/100	460	5	90
HWC2012J2N2D	2.2	250	50/1000	7900	0.06	800
HWC2012J2N7D	2.7	250	50/1000	7900	0.06	800
HWC2012J2N8D	2.8	250	40/1500	7900	0.06	800
HWC2012J2N9D	2.9	250	40/1500	7900	0.06	800
HWC2012J3N0D	3	250	40/1500	7900	0.06	800

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Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC2012J3N3D	3.3	250	40/1500	7900	0.08	600
HWC2012J3N6D	3.6	250	20/1000	7900	0.1	200
HWC2012J3N9D	3.9	250	20/1000	7900	0.11	150
HWC2012J4N7D	4.7	250	35/1000	6200	0.08	600
HWC2012J5N1D	5.1	250	50/1000	6200	0.08	600
HWC2012J5N6D	5.6	250	65/1000	5900	0.08	600
HWC2012J6N2D	6.2	250	65/1000	5900	0.08	600
HWC2012J6N8D	6.8	250	50/1000	5600	0.11	600
HWC2012J7N5D	7.5	250	50/1000	4800	0.14	600
HWC2012J8N2D	8.2	250	50/1000	4400	0.12	600
HWC2012J9N1D	9.1	250	60/500	4300	0.1	600
HWC2012J10ND	10	250	60/500	4300	0.1	600
HWC2012J12ND	12	250	50/500	4000	0.15	600
HWC2012J15ND	15	250	50/500	3200	0.17	600
HWC2012J16ND	16	250	50/500	3200	0.17	600
HWC2012J18ND	18	250	50/500	3100	0.2	600
HWC2012J20ND	20	250	55/500	2600	0.22	500
HWC2012J22ND	22	250	55/500	2600	0.22	500
HWC2012J23ND	23	250	50/500	2400	0.22	500
HWC2012J24ND	24	250	50/500	2400	0.22	500
HWC2012J25ND	25	250	50/500	2450	0.22	500
HWC2012J27ND	27	250	55/500	2580	0.25	500
HWC2012J30ND	30	250	55/500	2400	0.25	500
HWC2012J33ND	33	250	60/500	2150	0.27	500
HWC2012J36ND	36	250	55/500	1900	0.27	500
HWC2012J39ND	39	250	60/500	1850	0.29	500
HWC2012J43ND	43	200	60/500	1800	0.34	500
HWC2012J47ND	47	200	60/500	1700	0.31	500
HWC2012J50ND	50	200	60/500	1650	0.34	500
HWC2012J56ND	56	200	60/500	1600	0.34	500
HWC2012J62ND	62	200	60/500	1450	0.36	500
HWC2012J64ND	64	200	60/500	1500	0.38	500
HWC2012J66ND	66	200	60/500	1500	0.38	500
HWC2012J68ND	68	200	60/500	1500	0.38	500

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC2012J75ND	75	150	60/500	1400	0.4	450
HWC2012J78ND	78	150	60/500	1400	0.4	450
HWC2012J82ND	82	150	65/500	1330	0.42	400
HWC2012J91ND	91	150	65/500	1330	0.48	400
HWC2012J92ND	92	150	65/500	1330	0.48	400
HWC2012JR10D	100	150	65/500	1250	0.46	400
HWC2012JR11D	110	150	50/250	1100	0.48	400
HWC2012JR12D	120	150	50/250	1100	0.51	400
HWC2012JR14D	140	100	50/250	920	0.56	400
HWC2012JR15D	150	100	50/250	920	0.56	400
HWC2012JR16D	160	100	50/250	920	0.6	400
HWC2012JR18D	180	100	50/250	920	0.64	400
HWC2012JR20D	200	100	50/250	860	0.68	400
HWC2012JR22D	220	100	50/250	820	0.7	400
HWC2012JR24D	240	100	44/250	770	1	350
HWC2012JR25D	250	100	45/250	750	1.2	350
HWC2012JR27D	270	100	48/250	730	1	350
HWC2012JR28D	280	100	48/250	550	1.35	350
HWC2012JR29D	290	150	48/250	450	1.4	310
HWC2012JR30D	300	150	48/250	450	1.4	310
HWC2012JR33D	330	100	48/250	650	1.4	310
HWC2012JR36D	360	100	48/250	630	1.45	300
HWC2012JR39D	390	100	48/250	600	1.5	290
HWC2012JR42D	420	50	33/100	425	1.7	250
HWC2012JR43D	430	50	33/100	425	1.7	250
HWC2012JR47D	470	50	33/100	375	1.76	250
HWC2012JR56D	560	25	23/50	330	1.9	230
HWC2012JR62D	620	25	23/50	320	2.2	210
HWC2012JR68D	680	25	23/50	310	2.2	190
HWC2012JR75D	750	25	23/50	310	2.3	180
HWC2012JR82D	820	25	23/50	310	2.35	180
HWC2012JR88D	880	25	23/50	310	2.35	180
HWC2012JR91D	910	25	22/50	250	2.45	170
HWC2012J1R0D	1000	25	20/50	220	2.5	170

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC2012J1R2D	1200	25	20/25	180	2.9	150
HWC2012J1R5D	1500	25	20/25	160	3.3	150
HWC2012J1R6D	1600	25	20/25	140	3.4	150
HWC2012J1R8D	1800	25	20/25	130	3.5	120
HWC2012J2R2D	2200	25	20/25	100	4.5	120
HWC2012J2R7D	2700	25	18/25	80	4.8	100
HWC2012J3R0D	3000	25	18/25	60	5	60
HWC2012J3R3D	3300	25	18/25	50	6.8	50
HWC2012J4R7D	4700	25	18/25	40	7	30
HWC2520J3N9D	3.9	50	50/500	4100	0.08	1000
HWC2520J4N7D	4.7	50	50/500	4100	0.08	1000
HWC2520J5N6D	5.6	50	30/500	4100	0.2	650
HWC2520J6N2D	6.2	50	20/500	4100	0.2	400
HWC2520J10ND	10	50	50/500	4100	0.08	1000
HWC2520J12ND	12	50	50/500	3300	0.09	1000
HWC2520J15ND	15	50	50/500	2500	0.1	1000
HWC2520J18ND	18	50	50/350	2500	0.11	1000
HWC2520J22ND	22	50	55/350	2400	0.12	1000
HWC2520J24ND	24	50	55/350	1600	0.13	1000
HWC2520J27ND	27	50	55/350	1600	0.13	1000
HWC2520J33ND	33	50	60/350	1600	0.14	1000
HWC2520J36ND	36	50	60/350	1500	0.15	1000
HWC2520J39ND	39	50	60/350	1500	0.15	1000
HWC2520J47ND	47	50	65/350	1500	0.16	1000
HWC2520J51ND	51	50	65/350	1300	0.18	1000
HWC2520J54ND	54	50	65/350	1300	0.18	1000
HWC2520J56ND	56	50	65/350	1300	0.18	1000
HWC2520J65ND	65	50	65/350	1300	0.2	1000
HWC2520J68ND	68	50	65/350	1300	0.2	1000
HWC2520J75ND	75	50	60/350	1000	0.22	1000
HWC2520J82ND	82	50	60/350	1000	0.22	1000
HWC2520JR10D	100	25	60/350	1000	0.56	650
HWC2520JR11D	110	25	60/350	950	0.63	650
HWC2520JR12D	120	25	60/350	950	0.63	650

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Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC2520JR15D	150	25	45/100	850	0.7	580
HWC2520JR18D	180	25	45/100	750	0.77	620
HWC2520JR20D	200	25	45/100	700	0.84	500
HWC2520JR21D	210	25	45/100	700	0.84	500
HWC2520JR22D	220	25	45/100	700	0.84	500
HWC2520JR24D	240	25	45/100	700	0.84	500
HWC2520JR26D	260	25	45/100	600	0.91	500
HWC2520JR27D	270	25	45/100	600	0.91	500
HWC2520JR29D	290	25	45/100	570	1.05	450
HWC2520JR30D	300	25	45/100	570	1.05	450
HWC2520JR33D	330	25	45/100	570	1.05	450
HWC2520JR35D	350	25	45/100	500	1.12	470
HWC2520JR36D	360	25	45/100	500	1.12	470
HWC2520JR39D	390	25	45/100	500	1.12	470
HWC2520JR43D	430	25	45/100	450	1.19	470
HWC2520JR47D	470	25	45/100	450	1.19	470
HWC2520JR51D	510	25	45/100	415	1.33	400
HWC2520JR54D	540	25	45/100	415	1.33	400
HWC2520JR56D	560	25	45/100	415	1.33	400
HWC2520JR62D	620	25	45/100	375	1.4	300
HWC2520JR64D	640	25	45/100	375	1.4	300
HWC2520JR66D	660	25	45/100	375	1.47	400
HWC2520JR68D	680	25	45/100	375	1.47	400
HWC2520JR75D	750	25	45/100	360	1.54	360
HWC2520JR82D	820	25	45/100	350	1.61	400
HWC2520JR88D	880	25	35/50	320	1.68	380
HWC2520JR91D	910	25	35/50	320	1.68	380
HWC2520J1R0D	1000	25	35/50	290	1.75	370
HWC2520J1R2D	1200	7.9	35/50	250	2	310
HWC2520J1R5D	1500	7.9	28/50	200	2.3	330
HWC2520J1R6D	1600	7.9	28/50	200	2.3	330
HWC2520J1R8D	1800	7.9	28/50	160	2.6	300
HWC2520J2R0D	2000	7.9	28/50	160	2.8	280
HWC2520J2R2D	2200	7.9	28/50	160	2.8	280

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	Irms (mA)Max.
HWC2520J2R7D	2700	7.9	22/25	140	3.2	290
HWC2520J3R3D	3300	7.9	22/25	110	3.4	290
HWC2520J3R9D	3900	7.9	20/25	100	3.6	260
HWC2520J4R7D	4700	7.9	20/7.9	60	4	260
HWC2520J5R6D	5600	7.9	16/7.9	20	5.7	240
HWC2520J6R8D	6800	7.9	18/7.9	40	7.7	200
HWC2520J8R2D	8200	7.9	18/7.9	25	10.7	170
HWC2520J100D	10000	7.9	18/7.9	25	12.7	100
HWC3225J10ND	10	100	40/300	4000	0.08	1000
HWC3225J12ND	12	100	40/300	3200	0.08	1000
HWC3225J15ND	15	100	40/300	3200	0.2	1000
HWC3225J18ND	18	100	50/300	2800	0.1	1000
HWC3225J22ND	22	100	50/300	2200	0.1	1000
HWC3225J27ND	27	100	50/300	1800	0.11	1000
HWC3225J33ND	33	100	55/300	1800	0.11	1000
HWC3225J39ND	39	100	55/300	1500	0.12	1000
HWC3225J43ND	43	100	55/300	1500	0.12	1000
HWC3225J47ND	47	100	55/300	1500	0.13	1000
HWC3225J56ND	56	100	55/300	1450	0.14	1000
HWC3225J68ND	68	100	55/300	1200	0.15	900
HWC3225J82ND	82	100	55/300	1000	0.2	900
HWC3225J91ND	91	100	60/300	1100	0.2	1000
HWC3225JR10D	100	100	55/300	900	0.2	850
HWC3225JR12D	120	100	60/300	800	0.25	800
HWC3225JR15D	150	100	60/300	700	0.3	750
HWC3225JR18D	180	50	60/300	650	0.3	700
HWC3225JR22D	220	50	60/300	650	0.4	770
HWC3225JR24D	240	50	40/300	580	0.4	630
HWC3225JR27D	270	50	40/300	580	0.4	630
HWC3225JR33D	330	50	45/150	580	0.58	590
HWC3225JR36D	360	50	45/150	510	0.58	530
HWC3225JR39D	390	50	45/150	510	0.58	530
HWC3225JR47D	470	50	45/150	480	1	490
HWC3225JR56D	560	25	45/150	420	1.1	460

HWC-D Series

Part Number	Inductance (nH)	Test Freq. (MHz)	Q/MHz Min.	SRF (MHz)Min.	RDC (Ω)Max.	I _{rms} (mA)Max.
HWC3225JR68D	680	25	45/150	400	1.2	430
HWC3225JR82D	820	35	45/150	370	2	400
HWC3225J1R0D	1000	25	45/150	340	1.85	320
HWC3225J1R2D	1200	25	45/150	220	2.3	300
HWC3225J1R5D	1500	7.9	20/50	160	2.7	310
HWC3225J1R8D	1800	7.9	30/50	160	3.5	310
HWC3225J2R2D	2200	7.9	25/50	130	2.41	310
HWC3225J2R7D	2700	7.9	25/50	110	3.5	300
HWC3225J3R0D	3000	7.9	20/25	110	3.5	300
HWC3225J3R3D	3300	7.9	20/25	60	3.6	290
HWC3225J3R9D	3900	7.9	20/25	60	4	290
HWC3225J4R7D	4700	7.9	20/25	60	5	280
HWC3225J5R2D	5200	7.9	15/25	50	6	250
HWC3225J5R6D	5600	7.9	15/25	50	6	250
HWC3225J6R8D	6800	7.9	15/7.9	40	9	230
HWC3225J7R5D	7500	7.9	20/7.9	50	9.5	170
HWC3225J8R2D	8200	7.9	20/7.9	50	9.5	170
HWC3225J8R6D	8600	7.9	15/7.9	40	9	200
HWC3225J100D	10000	7.9	15/7.9	30	10	150