

Series: WCI

FEATURES

The WCI series shielded inductor is constructed with a ferrite core. Features include low DC resistance, and high current-handling capacities.

This makes the WCI series ideal for power supply line applications, portable telephones, personal computers, hard disk drives, and other electronic equipment.

WCI453232 TYPE • SHAPES AND DIMENSIONS / RECOMMENDED PC BOARD PATTERNS



EXPLANATION OF PART NUMBERS

WCI SERIES	453232 DIMENSIONS 453232 565050	I PACKAGING T=Tape & Reel	1R0 INDUCTANT/ μ H Use "R" for decimal	K TOLERANCE K=10% M=20%
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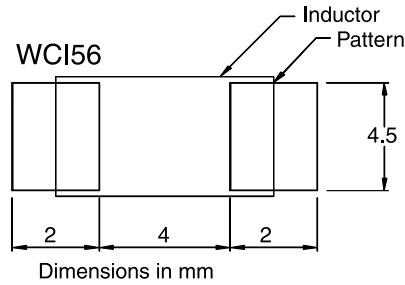
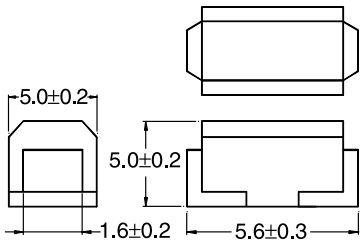
ELECTRICAL CHARACTERISTICS

JARO PART NO.	L (μ H)	TOLERANCE (\pm %)	Q Min.	TEST Frequency (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA)
WCI453232T-1R0□	1.0	$\pm 10\%$	10	7.96	200	0.11	1050
WCI453232T-1R2□	1.2	$\pm 10\%$	10	7.96	160	0.12	1000
WCI453232T-1R5□	1.5	$\pm 10\%$	10	7.96	130	0.15	950
WCI453232T-1R8□	1.8	$\pm 10\%$	10	7.96	100	0.16	900
WCI453232T-2R2□	2.2	$\pm 10\%$	10	7.96	80	0.18	850
WCI453232T-2R7□	2.7	$\pm 10\%$	10	7.96	60	0.20	800
WCI453232T-3R3□	3.3	$\pm 10\%$	10	7.96	45	0.22	750
WCI453232T-3R9□	3.9	$\pm 10\%$	10	7.96	40	0.24	700
WCI453232T-4R7□	4.7	$\pm 10\%$	10	7.96	35	0.27	650
WCI453232T-5R6□	5.6	$\pm 10\%$	10	7.96	30	0.30	650
WCI453232T-6R8□	6.8	$\pm 10\%$	10	7.96	28	0.35	600
WCI453232T-8R2□	8.2	$\pm 10\%$	10	7.96	25	0.40	600
WCI453232T-100□	10	$\pm 10\%$	10	2.52	22	.050	550
WCI453232T-120□	12	$\pm 10\%$	10	2.52	21	0.60	500
WCI453232T-150□	15	$\pm 10\%$	10	2.52	20	0.70	450
WCI453232T-180□	18	$\pm 10\%$	10	2.52	19	0.80	400
WCI453232T-220□	22	$\pm 10\%$	10	2.52	18	0.90	370
WCI453232T-270□	27	$\pm 10\%$	10	2.52	16	1.20	330
WCI453232T-330□	33	$\pm 10\%$	10	2.52	14	1.40	300
WCI453232T-390□	39	$\pm 10\%$	10	2.52	12	1.60	280
WCI453232T-470□	47	$\pm 10\%$	10	2.52	11.5	1.90	260
WCI453232T-560□	56	$\pm 10\%$	10	2.52	11	2.20	240
WCI453232T-680□	68	$\pm 10\%$	10	2.52	10	2.60	220
WCI453232T-820□	82	$\pm 10\%$	10	2.52	9	3.50	200
WCI453232T-101□	100	$\pm 10\%$	20	0.796	8	4.00	180
WCI453232T-121□	120	$\pm 10\%$	20	0.796	7.5	4.50	160
WCI453232T-151□	150	$\pm 10\%$	20	0.796	7	6.50	140
WCI453232T-181□	180	$\pm 10\%$	20	0.796	6.5	7.50	120
WCI453232T-221□	220	$\pm 10\%$	20	0.796	5.5	9.00	120
WCI453232T-271□	270	$\pm 10\%$	20	0.796	5	11.0	100
WCI453232T-331□	330	$\pm 10\%$	20	0.796	4	13.0	90

Test Instruments: HP 4191A RF Impedance Analyzer for L°BQ°BSRF Digital Multimeter SC-7401 for RDC
HP4192A LF Impedance Analyzer for L°BQ CHEN-HWA 1061+CHEN-HWA 301A for IDC

WCI565050 TYPE

SHAPES AND DIMENSIONS / RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

JARO PART NO.	L (μH)	TOLERANCE (± %)	Q Min.	TEST Frequency (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA)
WCI565050T-1R0	1.0	±10%	10	7.96	95	0.03	1800
WCI565050T-1R2	1.2	±10%	10	7.96	70	0.035	1700
WCI565050T-1R5	1.5	±10%	10	7.96	55	0.04	1600
WCI565050T-1R8	1.8	±10%	10	7.96	47	0.05	1400
WCI565050T-2R2	2.2	±10%	10	7.96	42	0.06	1300
WCI565050T-2R7	2.7	±10%	10	7.96	37	0.07	1200
WCI565050T-3R3	3.3	±10%	10	7.96	34	0.08	1120
WCI565050T-3R9	3.9	±10%	10	7.96	32	0.09	1050
WCI565050T-4R7	4.7	±10%	10	7.96	29	0.11	950
WCI565050T-5R6	5.6	±10%	10	7.96	26	0.13	880
WCI565050T-6R8	6.8	±10%	10	7.96	24	0.15	810
WCI565050T-8R2	8.2	±10%	10	7.96	22	0.18	750
WCI565050T-100	10	±10%	10	2.52	19	0.21	690
WCI565050T-120	12	±10%	10	2.52	17	0.25	630
WCI565050T-150	15	±10%	10	2.52	16	0.30	580
WCI565050T-180	18	±10%	10	2.52	14	0.36	530
WCI565050T-220	22	±10%	10	2.52	13	0.43	480
WCI565050T-270	27	±10%	10	2.52	11.5	0.52	440
WCI565050T-330	33	±10%	10	2.52	10.5	0.62	400
WCI565050T-390	39	±10%	10	2.52	9.5	0.72	370
WCI565050T-470	47	±10%	10	2.52	8.5	0.85	340
WCI565050T-560	56	±10%	10	2.52	7.8	1.00	310
WCI565050T-680	68	±10%	10	2.52	7	1.2	290
WCI565050T-820	82	±10%	10	2.52	6.4	1.4	270
WCI565050T-101	100	±10%	20	0.796	6	1.6	250
WCI565050T-121	120	±10%	20	0.796	5.4	1.9	230
WCI565050T-151	150	±10%	20	0.796	4.8	2.2	210
WCI565050T-181	180	±10%	20	0.796	4.4	2.8	190
WCI565050T-221	220	±10%	20	0.796	3.9	3.4	170
WCI565050T-271	270	±10%	20	0.796	3.6	4.2	155
WCI565050T-331	330	±10%	20	0.796	3.2	4.9	140
WCI565050T-391	390	±10%	20	0.796	2.9	5.8	130
WCI565050T-471	470	±10%	20	0.796	2.6	7	120
WCI565050T-561	560	±10%	20	0.796	2.4	8.5	110
WCI565050T-681	680	±10%	20	0.796	2.2	10	100
WCI565050T-821	820	±10%	20	0.796	2	13	90
WCI565050T-102	1000	±10%	20	0.796	1.8	15	85

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 HP4192A LF Impedance Analyzer for L°BQ CHEN-HWA 1061+CHEN-WHA 301A for IDC