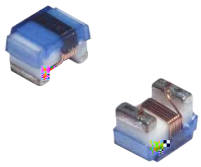
WCIV Series

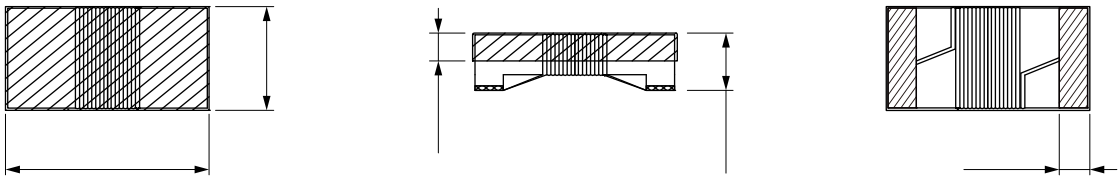


FEATURES

- Ceramic core wire wound construc on with high Q and high SRF
- Small size and small tolerance available
- AEC-Q200 qualified
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- Opera ng Temperature: -55~+125℃ (Including self-temperature)
- Quan ty: 2000pcs

APPLICATION

- Resonant circuits, impedance matching for
- Antenna amplifiers
- Mul media
- Wireless communica on systems
- Automo ve electronics
- GPS (Global Posi oning System)
- Low-pass filters for data lines



Part No	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
WCIV2012HF-2N0□	2.0	C,S	0.1V/250M	70	1500	800	0.03	8000
WCIV2012HF-3N9□	3.9	C,S	0.1V/250M	70	1500	800	0.04	5750
WCIV2012HF-4N7□	4.7	C,S	0.1V/250M	70	1500	800	0.04	5750
WCIV2012HF-6N8□	6.8	C,J	0.1V/250M	70	1500	800	0.06	5500
WCIV2012HF-7N5□	7.5	C,J	0.1V/250M	70	1000	800	0.06	4500
WCIV2012HF-8N2□	8.2	C,J	0.1V/250M	70	1000	800	0.06	4700
WCIV2012HF-10NJ	10	±5%	0.1V/250M	70	1000	600	0.08	4200
WCIV2012HF-12NJ	12	±5%	0.1V/250M	80	1000	600	0.08	4000
WCIV2012HF-15NJ	15	±5%	0.1V/250M	80	1000	600	0.10	3400
WCIV2012HF-18NJ	18	±5%	0.1V/250M	80	1000	600	0.10	3300
WCIV2012HF-22NJ	22	±5%	0.1V/250M	60	500	600	0.12	2600
WCIV2012HF-24NJ	24	±5%	0.1V/250M	60	500	600	0.12	2000

Part No	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
WCIV2012HF-27NJ	27	±5%	0.1V/250M	60	500	600	0.12	2500
WCIV2012HF-33NJ	33	±5%	0.1V/250M	60	500	600	0.13	2050
WCIV2012HF-36NJ	36	±5%	0.1V/250M	65	500	600	0.13	1700
WCIV2012HF-39NJ	39	±5%	0.1V/250M	65	500	600	0.15	2000
WCIV2012HF-43NJ	43	±5%	0.1V/200M	65	500	600	0.15	1650
WCIV2012HF-47NJ	47	±5%	0.1V/200M	65	500	600	0.17	1650
WCIV2012HF-56NJ	56	±5%	0.1V/200M	65	500	600	0.19	1550
WCIV2012HF-68NJ	68	±5%	0.1V/200M	60	500	500	0.22	1450
WCIV2012HF-82NJ	82	±5%	0.1V/150M	55	500	400	0.40	1300
WCIV2012HF-R10J	100	±5%	0.1V/150M	55	500	400	0.52	1200
WCIV2012HF-R11J	110	±5%	0.1V/150M	55	500	400	0.52	1200
WCIV2012HF-R12J	120	±5%	0.1V/150M	50	250	400	0.55	1100
WCIV2012HF-R15J	150	±5%	0.1V/150M	50	250	400	0.73	920
WCIV2012HF-R18J	180	±5%	0.1V/100M	50	250	400	0.88	870
WCIV2012HF-R22J	220	±5%	0.1V/100M	50	250	340	1.18	850
WCIV2012HF-R24J	240	±5%	0.1V/100M	48	250	330	1.20	690
WCIV2012HF-R27J	270	±5%	0.1V/100M	48	250	310	1.36	650
WCIV2012HF-R33J	330	±5%	0.1V/100M	40	250	300	1.40	600
WCIV2012HF-R39J	390	±5%	0.1V/100M	25	250	290	1.50	560
WCIV2012HF-R47J	470	±5%	0.1V/50M	25	100	250	1.76	375
WCIV2012HF-R56J	560	±5%	0.1V/25M	23	100	210	1.90	340
WCIV2012HF-R62J	620	±5%	0.1V/25M	23	100	205	2.00	220
WCIV2012HF-R68J	680	±5%	0.1V/25M	23	100	200	2.15	200
WCIV2012HF-R75J	750	±5%	0.1V/25M	20	100	185	2.25	200
WCIV2012HF-R82J	820	±5%	0.1V/25M	20	100	170	2.50	200
WCIV2012HF-1R0J	1000	±5%	0.1V/25M	15	50	170	2.60	100

Inductance Tolerance: C=±0.2nH , S=±0.3nH, J=±0.5%