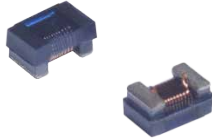


WIV Series

Wire Wound Inductor

Size 2012



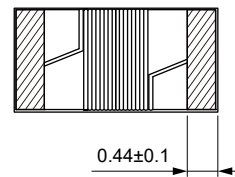
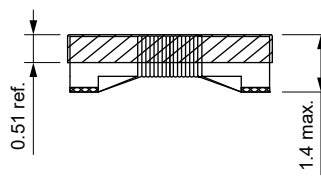
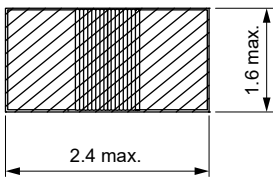
FEATURES

- Ferrite core wire wound construction
- High Reliability due to wire wound type construction
- Small footprint as well as low profile
- Application for DC power line
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- AEC-Q200 qualified
- Operating temperature-55~+125 °C (Including self - temperature rise)
- Quantity: 2000 pcs

APPLICATION

- Filtering of supply voltages, coupling, decoupling
- DC/DC converters, switch-mode power supplies
- Entertainment equipment: car navigations, car audios
- Body control equipment like wipers, power windows

Dimensions: [mm]



Electrical Properties:

Part No	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
WIV2012-R47K	0.47	±10%	0.5V/7.96M	10	7.96	750	0.20	720
WIV2012-R56K	0.56	±10%	0.5V/7.96M	10	7.96	730	0.21	665
WIV2012-R68K	0.68	±10%	0.5V/7.96M	10	7.96	670	0.28	565
WIV2012-R82K	0.82	±10%	0.5V/7.96M	10	7.96	650	0.31	545
WIV2012-1R0K	1.0	±10%	0.5V/7.96M	10	7.96	615	0.34	525
WIV2012-1R2K	1.2	±10%	0.5V/7.96M	10	7.96	550	0.39	473
WIV2012-1R5K	1.5	±10%	0.5V/7.96M	10	7.96	520	0.45	300
WIV2012-1R8K	1.8	±10%	0.5V/7.96M	10	7.96	500	0.48	230
WIV2012-2R2K	2.2	±10%	0.5V/7.96M	10	7.96	420	0.67	215
WIV2012-2R7K	2.7	±10%	0.5V/7.96M	10	7.96	410	0.74	140
WIV2012-3R3K	3.3	±10%	0.5V/7.96M	10	7.96	385	0.81	95

Part No	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
WIV2012-3R9K	3.9	$\pm 10\%$	0.5V/7.96M	10	7.96	372	0.88	57
WIV2012-4R7K	4.7	$\pm 10\%$	0.5V/7.96M	10	7.96	345	0.99	51
WIV2012-5R6K	5.6	$\pm 10\%$	0.5V/7.96M	10	7.96	335	1.06	44
WIV2012-6R8K	6.8	$\pm 10\%$	0.5V/7.96M	10	7.96	315	1.21	39
WIV2012-8R2K	8.2	$\pm 10\%$	0.5V/7.96M	10	7.96	295	1.33	33
WIV2012-100K	10	$\pm 10\%$	0.5V/2.52M	10	2.52	260	1.79	30
WIV2012-120K	12	$\pm 10\%$	0.5V/2.52M	10	2.52	250	1.98	27
WIV2012-150K	15	$\pm 10\%$	0.5V/2.52M	10	2.52	215	2.68	22
WIV2012-180K	18	$\pm 10\%$	0.5V/2.52M	10	2.52	195	3.12	20
WIV2012-220K	22	$\pm 10\%$	0.5V/2.52M	10	2.52	180	3.48	18
WIV2012-270K	27	$\pm 10\%$	0.5V/2.52M	10	2.52	170	3.84	16
WIV2012-330K	33	$\pm 10\%$	0.5V/2.52M	10	2.52	145	4.34	15