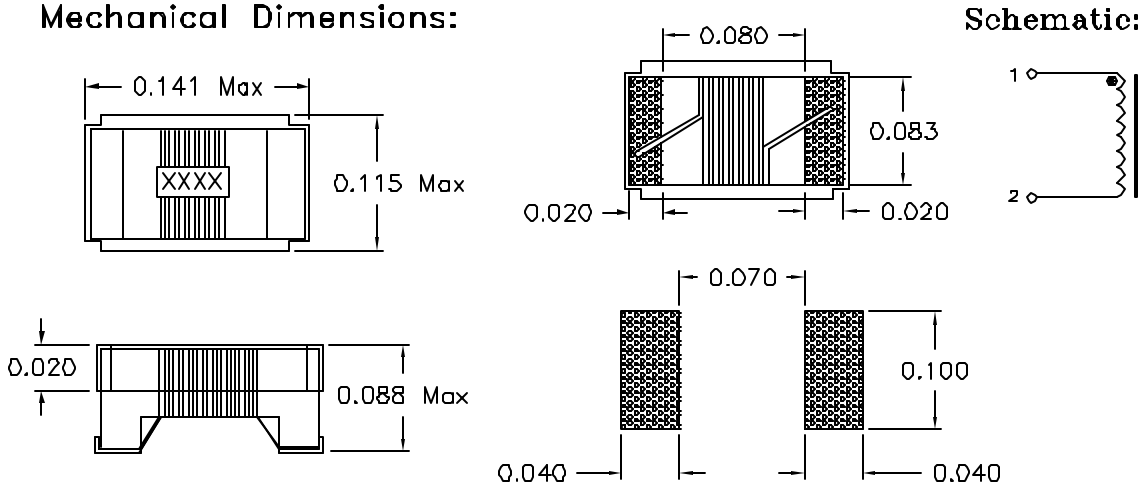
XFMRS

XFWICS1210 SERIES INDUCTORS

* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING
  2000 PCS PER 13"REEL
* FOR DC/DC CONVERTERS, DC/AC INVERTERS, VRM APPLICATIONS
* TEMP. RISE; 15°C TYPICAL ABOVE 60°C AMBIENT
* OPERATING TEMP.: −40°C TO +125°C

Mechanical Dimensions:



Schematic:

Part Number	INDUCTANCE (L)	Q Min	Test Freq. (MHz)		SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)
			L	Q			
XFWICS1210−10N_	10nH	50	50	500	4100	0.08	1000
XFWICS1210−12N_	12nH	50	50	500	3300	0.09	1000
XFWICS1210−15N_	15nH	50	50	500	2500	0.10	1000
XFWICS1210−18N_	18nH	50	50	350	2500	0.11	1000
XFWICS1210−22N_	22nH	55	50	350	2400	0.12	1000
XFWICS1210−27N_	27nH	55	50	350	1600	0.13	1000
XFWICS1210−33N_	33nH	60	50	350	1600	0.14	1000
XFWICS1210−39N_	39nH	60	50	350	1500	0.15	1000
XFWICS1210−47N_	47nH	65	50	350	1500	0.16	1000
XFWICS1210−56N_	56nH	65	50	350	1300	0.18	1000
XFWICS1210−68N_	68nH	65	50	350	1300	0.20	1000
XFWICS1210−82N_	82nH	60	50	350	1000	0.22	1000
XFWICS1210−R10_	0.10uH	60	25	350	1000	0.24	980
XFWICS1210−R12_	0.12uH	60	25	350	950	0.26	920
XFWICS1210−R15_	0.15uH	45	25	100	850	0.29	870
XFWICS1210−R18_	0.18uH	45	25	100	750	0.31	830
XFWICS1210−R22_	0.22uH	45	25	100	700	0.35	790
XFWICS1210−R27_	0.27uH	45	25	100	600	0.42	730
XFWICS1210−R33_	0.33uH	45	25	100	570	0.49	680
XFWICS1210−R39_	0.39uH	45	25	100	500	0.54	640
XFWICS1210−R47_	0.47uH	45	25	100	450	0.60	610
XFWICS1210−R56_	0.56uH	45	25	100	415	1.00	460
XFWICS1210−R62_	0.62uH	45	25	100	375	1.08	430
XFWICS1210−R68_	0.68uH	45	25	100	375	1.15	420

Inductance Tolerance: J=5%, K=10%, M=20%

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Part Number	INDUCTANCE (L)	Q Min	Test Freq. (MHz)		SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)
			L	Q			
XFWICS1210-R75_	0.75uH	45	25	100	360	1.20	410
XFWICS1210-R82_	0.82uH	45	25	100	350	1.93	350
XFWICS1210-R91_	0.91uH	45	25	100	320	2.02	340
XFWICS1210-1R0_	1.0uH	45	25	100	290	2.16	330
XFWICS1210-1R2_	1.2uH	45	7.9	100	250	2.38	310
XFWICS1210-1R5_	1.5uH	35	7.9	50	200	2.64	300
XFWICS1210-1R8_	1.8uH	30	7.9	50	160	2.76	290
XFWICS1210-2R2_	2.2uH	25	7.9	50	160	2.98	280
XFWICS1210-2R7_	2.7uH	22	7.9	25	140	3.30	260
XFWICS1210-3R3_	3.3uH	22	7.9	25	110	3.66	250
XFWICS1210-3R9_	3.9uH	22	7.9	7.9	100	4.00	240
XFWICS1210-4R7_	4.7uH	22	7.9	7.9	90	4.30	230

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