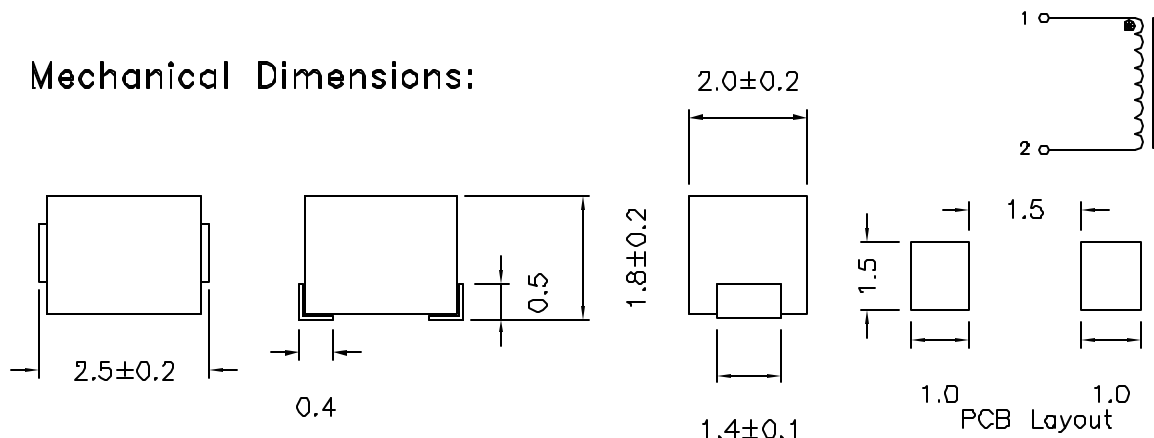


## XFWI252018 SERIES INDUCTORS

- \* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING  
2000 PCS PER 7" 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

Schematic:

Mechanical Dimensions:



Part Number	INDUCTANCE (µH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFWI252018-10N	0.010	15	2150	0.26	530	100
XFWI252018-12N	0.012	15	2050	0.27	500	100
XFWI252018-15N	0.015	15	2000	0.29	480	100
XFWI252018-18N	0.018	15	1850	0.31	450	100
XFWI252018-22N	0.022	15	1650	0.37	420	100
XFWI252018-27N	0.027	15	1550	0.40	410	100
XFWI252018-33N	0.033	20	1450	0.42	400	100
XFWI252018-39N	0.039	20	1350	0.45	380	100
XFWI252018-47N	0.047	20	1200	0.50	360	100
XFWI252018-56N	0.056	20	1100	0.60	340	100
XFWI252018-68N	0.068	20	1050	0.65	320	100
XFWI252018-82N	0.082	20	900	0.75	300	100
XFWI252018-R10	0.100	20	800	0.80	280	100
XFWI252018-R12	0.120	30	700	0.30	550	25.2
XFWI252018-R15	0.150	30	550	0.35	500	25.2
XFWI252018-R18	0.180	30	500	0.40	460	25.2
XFWI252018-R22	0.220	30	450	0.50	430	25.2
XFWI252018-R27	0.270	30	425	0.55	420	25.2
XFWI252018-R33	0.330	30	400	0.60	400	25.2
XFWI252018-R39	0.390	30	375	0.65	375	25.2
XFWI252018-R47	0.470	30	350	0.68	350	25.2
XFWI252018-R56	0.560	30	325	0.75	325	25.2
XFWI252018-R68	0.680	30	300	0.85	300	25.2
XFWI252018-R82	0.820	30	260	1.00	260	25.2

Inductance Tolerance: {J: ±5%, K: ±10%, M: ±20%}

## XFWI252018 SERIES INDUCTORS

Part Number	INDUCTANCE ( $\mu$ H)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFWI252018-1R0	1.0	30	245	1.10	245	7.96
XFWI252018-1R2	1.2	30	230	1.20	230	7.96
XFWI252018-1R5	1.5	30	182	1.30	220	7.96
XFWI252018-1R8	1.8	30	135	1.45	210	7.96
XFWI252018-2R2	2.2	30	105	1.55	200	7.96
XFWI252018-2R7	2.7	30	70	1.70	195	7.96
XFWI252018-3R3	3.3	30	55	1.90	185	7.96
XFWI252018-3R9	3.9	30	48	2.10	180	7.96
XFWI252018-4R7	4.7	30	43	2.30	175	7.96
XFWI252018-5R6	5.6	25	42	2.50	170	7.96
XFWI252018-6R8	6.8	25	39	2.70	165	7.96
XFWI252018-8R2	8.2	25	36	3.05	160	7.96
XFWI252018-100	10.0	25	33	3.50	155	2.52
XFWI252018-120	12.0	25	30	3.80	150	2.52
XFWI252018-150	15.0	25	26	4.40	140	2.52
XFWI252018-220	22.0	25	17	5.50	125	2.52
XFWI252018-270	27.0	25	16	6.30	115	2.52
XFWI252018-330	33.0	25	15	7.10	110	2.52
XFWI252018-390	39.0	20	14	9.50	90	2.52
XFWI252018-470	47.0	20	13	11.1	80	2.52
XFWI252018-560	56.0	20	12	12.1	75	2.52
XFWI252018-680	68.0	20	11	16.6	70	2.52
XFWI252018-820	82.0	20	10	19.0	65	2.52
XFWI252018-101	100	15	9	21.0	60	2.52

Inductance Tolerance: (J:  $\pm$ 5%, K:  $\pm$ 10%, M:  $\pm$ 20%)