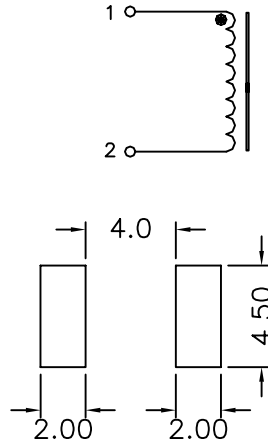


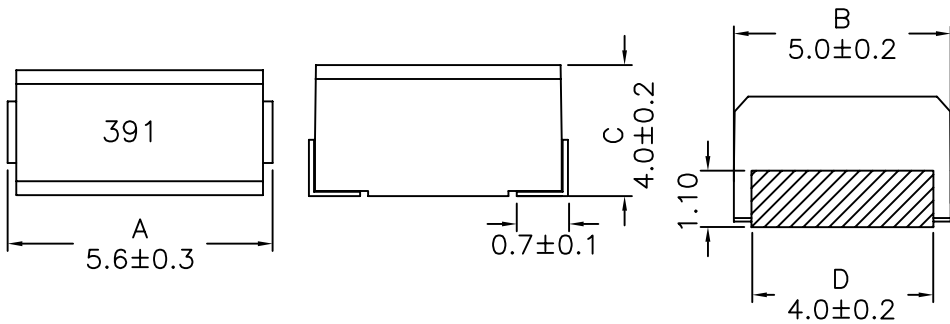
## XFWIC565050 SERIES INDUCTORS

- \* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING
- \* 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
- \* Flamability Rating: UL94V-0

### Schematic:



### Mechanical Dimensions:



Part Number	INDUCTANCE (uH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFWIC565050-1R0_	1.0	10	95	0.03	1800	7.96
XFWIC565050-1R2_	1.2	10	70	0.035	1700	7.96
XFWIC565050-1R5_	1.5	10	55	0.04	1600	7.96
XFWIC565050-1R8_	1.8	10	47	0.05	1400	7.96
XFWIC565050-2R2_	2.2	10	42	0.06	1300	7.96
XFWIC565050-2R7_	2.7	10	37	0.07	1200	7.96
XFWIC565050-3R3_	3.3	10	34	0.08	1120	7.96
XFWIC565050-3R9_	3.9	10	32	0.09	1050	7.96
XFWIC565050-4R7_	4.7	10	29	0.11	950	7.96
XFWIC565050-5R6_	5.6	10	26	0.13	880	7.96
XFWIC565050-6R8_	6.8	10	24	0.15	810	7.96
XFWIC565050-8R2_	8.2	10	22	0.18	750	7.96
XFWIC565050-100_	10	10	19	0.21	690	2.52
XFWIC565050-120_	12	10	17	0.25	630	2.52
XFWIC565050-150_	15	10	16	0.30	580	2.52
XFWIC565050-180_	18	10	14	0.36	530	2.52
XFWIC565050-220_	22	10	13	0.43	480	2.52
XFWIC565050-270_	27	10	11.5	0.52	440	2.52
XFWIC565050-330_	33	10	10.5	0.62	400	2.52
XFWIC565050-390_	39	10	9.5	0.72	370	2.52
XFWIC565050-470_	47	10	8.5	0.85	340	2.52
XFWIC565050-560_	56	10	7.8	1.00	310	2.52
XFWIC565050-680_	68	10	7.0	1.20	290	2.52
XFWIC565050-820_	82	10	6.4	1.40	270	2.52

Inductance Tolerance: (J: ±5%, K: ±10%, M: ±20%)

## XFWIC565050 SERIES INDUCTORS

Part Number	INDUCTANCE ( $\mu$ H)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFWIC565050-101_	100	20	6.0	1.60	250	0.796
XFWIC565050-121_	120	20	5.4	1.90	230	0.796
XFWIC565050-151_	150	20	4.8	2.20	210	0.796
XFWIC565050-181_	180	20	4.4	2.80	190	0.796
XFWIC565050-221_	220	20	3.9	3.40	170	0.796
XFWIC565050-271_	270	20	3.6	4.20	155	0.796
XFWIC565050-331_	330	20	3.2	4.90	140	0.796
XFWIC565050-391_	390	20	2.9	5.80	130	0.796
XFWIC565050-471_	470	20	2.6	7.00	120	0.796
XFWIC565050-561_	560	20	2.4	8.50	110	0.796
XFWIC565050-681_	680	20	2.2	10.0	100	0.796
XFWIC565050-821_	820	20	2.0	13.0	90	0.796
XFWIC565050-102_	1000	20	1.8	15.0	85	0.252

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