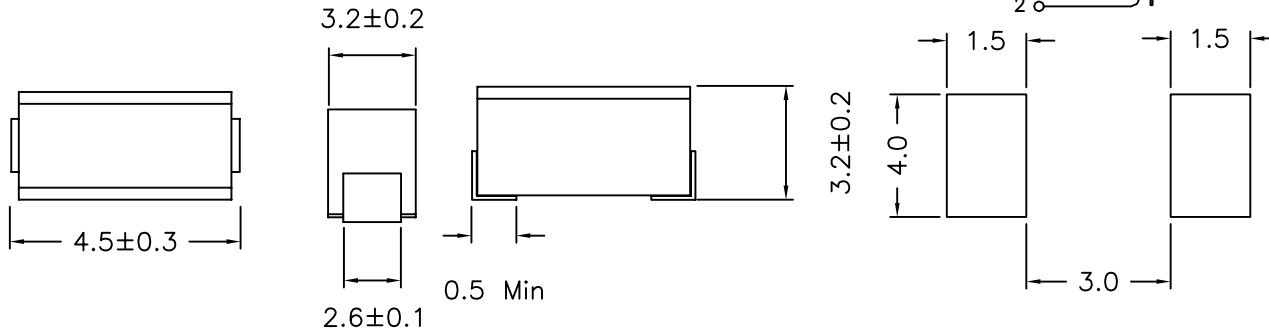


## XFwIC453232 SERIES INDUCTORS

- \* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING  
2500 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
- \* Flamability Rating: UL94V-0
- \* RoHS Compliant Component

### Mechanical Dimensions:



PCB Layout

Part Number	INDUCTANCE (uH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFwIC453232-1R0_	1.0	10	200	0.11	1050	7.96
XFwIC453232-1R2_	1.2	10	160	0.12	1000	7.96
XFwIC453232-1R5_	1.5	10	130	0.15	950	7.96
XFwIC453232-1R8_	1.8	10	100	0.16	900	7.96
XFwIC453232-2R2_	2.2	10	80	0.18	850	7.96
XFwIC453232-2R7_	2.7	10	60	0.20	800	7.96
XFwIC453232-3R3_	3.3	10	45	0.22	750	7.96
XFwIC453232-3R9_	3.9	10	40	0.24	700	7.96
XFwIC453232-4R7_	4.7	10	35	0.27	650	7.96
XFwIC453232-5R6_	5.6	10	30	0.30	650	7.96
XFwIC453232-6R8_	6.8	10	28	0.35	600	7.96
XFwIC453232-8R2_	8.2	10	25	0.40	600	7.96
XFwIC453232-100_	10	10	22	0.50	550	2.52
XFwIC453232-120_	12	10	21	0.60	500	2.52
XFwIC453232-150_	15	10	20	0.70	450	2.52
XFwIC453232-180_	18	10	19	0.80	400	2.52
XFwIC453232-220_	22	10	18	0.90	370	2.52
XFwIC453232-270_	27	10	16	1.20	330	2.52
XFwIC453232-330_	33	10	14	1.40	300	2.52
XFwIC453232-390_	39	10	12	1.60	280	2.52
XFwIC453232-470_	47	10	11.5	1.90	260	2.52
XFwIC453232-560_	56	10	11	2.20	240	2.52
XFwIC453232-680_	68	10	10	2.60	220	2.52
XFwIC453232-820_	82	10	9	3.50	200	2.52

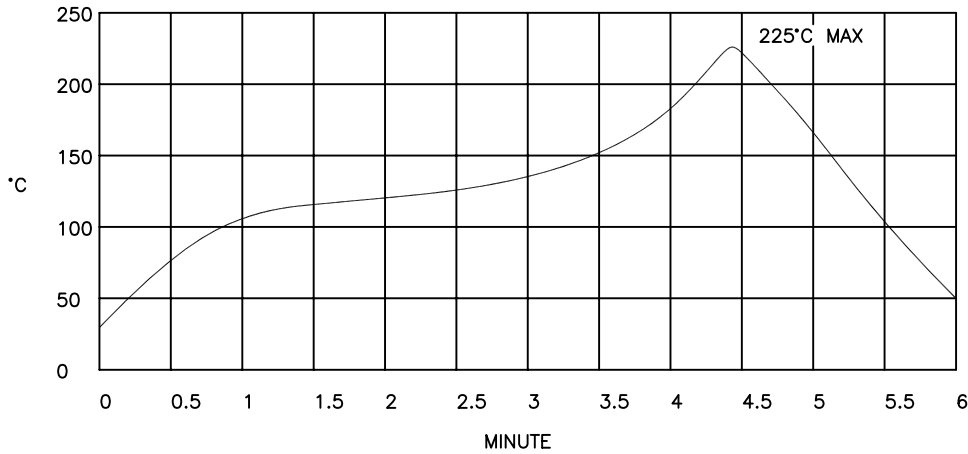
Inductance Tolerance: (J: ±5%, K: ±10%, M: ±20%)

## XFWIC453232 SERIES INDUCTORS

Part Number	INDUCTANCE (uH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)	Test Frequency (MHz)
XFWIC453232-101_	100	20	8.0	4.00	180	0.796
XFWIC453232-121_	120	20	7.5	4.50	160	0.796
XFWIC453232-151_	150	20	7.0	6.50	140	0.796
XFWIC453232-181_	180	20	6.5	7.50	120	0.796
XFWIC453232-221_	220	20	5.5	9.00	120	0.796
XFWIC453232-271_	270	20	5.0	11.0	100	0.796
XFWIC453232-331_	330	20	4.0	13.0	90	0.796

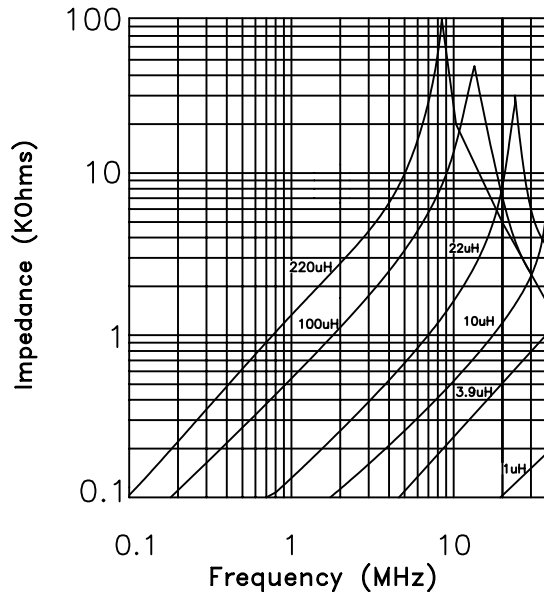
Inductance Tolerance: (J:  $\pm 5\%$ , K:  $\pm 10\%$ , M:  $\pm 20\%$ )

### Recommended Infrared Reflow Temperature Profile



NOTES: Maximum Temperature (225°C) shall not exceed 10 seconds  
Maximum Duration above 183°C shall not exceed 90 seconds

### IMPEDANCE Vs. FREQUENCY



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