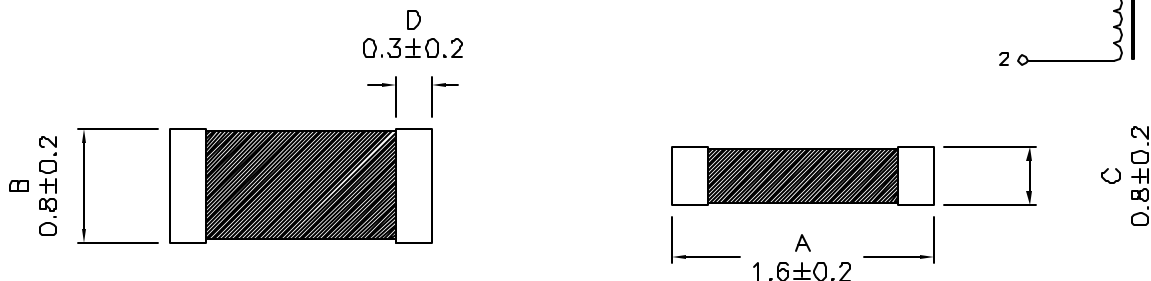


## XFEI160808 SERIES INDUCTORS

- \* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING  
4000 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 (nH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)
XFEI160808-1N2	1.2	8	>6000	0.10	300
XFEI160808-1N5	1.5	8	>6000	0.10	300
XFEI160808-1N8	1.8	8	>6000	0.12	300
XFEI160808-2N2	2.2	8	>6000	0.16	300
XFEI160808-2N7	2.7	8	>6000	0.20	300
XFEI160808-3N3	3.3	8	5700	0.22	300
XFEI160808-3N9	3.9	8	5600	0.25	300
XFEI160808-4N7	4.7	8	4800	0.28	300
XFEI160808-5N6	5.6	8	4350	0.29	300
XFEI160808-6N8	6.8	8	3750	0.30	300
XFEI160808-8N2	8.2	8	3300	0.33	300
XFEI160808-10N	10.0	8	2850	0.35	300
XFEI160808-12N	12.0	8	2700	0.40	300
XFEI160808-15N	15.0	8	2400	0.45	300
XFEI160808-18N	18.0	8	2050	0.50	300
XFEI160808-22N	22.0	8	1850	0.55	300
XFEI160808-27N	27.0	8	1750	0.60	300
XFEI160808-33N	33.0	8	1500	0.65	300
XFEI160808-39N	39.0	8	1350	0.70	300
XFEI160808-47N	47.0	8	1200	0.90	300
XFEI160808-56N	56.0	8	1100	1.00	300
XFEI160808-68N	68.0	8	1000	1.50	300
XFEI160808-82N	82.0	8	900	2.00	300
XFEI160808-R10	100.0	8	830	2.50	300

Inductance Tolerance: (S: ±0.3nH, D: ±0.5nH, J: ±5%, K: ±10%, M: ±20%)

## XFEl160808 SERIES INDUCTORS

Part Number	INDUCTANCE (uH)	Q Min	SRF Min. (MHz)	RDC Max (Ohms)	IDC Max (mA)
XFEl160808-R12	0.12	15	205	0.50	50
XFEl160808-R15	0.15	15	180	0.60	50
XFEl160808-R18	0.18	15	165	0.60	50
XFEl160808-R22	0.22	15	150	0.80	50
XFEl160808-R27	0.27	15	136	0.80	50
XFEl160808-R33	0.33	15	125	0.85	35
XFEl160808-R39	0.39	15	110	1.00	35
XFEl160808-R47	0.47	15	105	1.35	35
XFEl160808-R56	0.56	15	95	1.55	35
XFEl160808-R68	0.68	15	90	1.70	35
XFEl160808-R82	0.82	15	85	2.10	35
XFEl160808-1R0	1.0	35	75	0.60	25
XFEl160808-1R2	1.2	35	65	0.80	25
XFEl160808-1R5	1.5	35	60	0.80	25
XFEl160808-1R8	1.8	35	55	0.95	25
XFEl160808-2R2	2.2	35	50	1.15	15
XFEl160808-2R7	2.7	35	45	1.35	15
XFEl160808-3R3	3.3	35	40	1.55	15
XFEl160808-3R9	3.9	35	35	1.70	15
XFEl160808-4R7	4.7	35	33	2.10	15
XFEl160808-5R6	5.6	35	22	1.55	5
XFEl160808-6R8	6.8	35	20	1.70	5
XFEl160808-8R2	8.2	35	18	2.10	5
XFEl160808-100	10.0	30	17	1.85	3
XFEl160808-120	12.0	30	15	2.10	3

Inductance Tolerance: (S:  $\pm 0.3nH$ , D:  $\pm 0.5nH$ , J:  $\pm 5\%$ , K:  $\pm 10\%$ , M:  $\pm 20\%$ )