

# Non-Magnetic Variable Inductors



## APPLICATIONS

- MRI / NMR Systems
- Radios / Jammers
- Power Amplifiers
- Radar
- Avionics Instrumentation
- Test Equipment

## CHARACTERISTICS

- Precision machined design. US Patent No. 8,248,198
- 7mm high in SMD, Vertical SMD and thru-hole versions
- Nominal values of 33 to 345 nH, 2 to 19 turns
- Q as high as 199 @ 100 MHz SRF 0.31 to 1.2GHz
- Superb shock, vibration and thermal tolerances
- -40°C to +85°C
- Customized version requests welcomed

	PART NO.	L (nH)				Q (@ 100MHz)	SRF (GHz)	Turns	Thread Min (mm)
		Min	Nom	Max	No Core				
Surface Mount – Horizontal	JLC02E030TRSM	32	33	34	39	90	1.2	2	6
	JLC03E048TRSM	46	49	52	59	95	1	3	6
	JLC04E065TRSM	60	64	68	78	101	0.9	4	6
	JLC05E088TRSM	74	81	87	99	114	0.9	5	8
	JLC06E110TRSM	94	107	119	123	119	0.7	6	8
	JLC07E130TRSM	104	118	133	142	121	0.7	7	10
	JLC09E160TRSM	122	139	170	191	162	0.58	9	13
	JLC13E250TRSM	185	219	270	294	199	0.43	13	18
JLC19E375TRSM	281	345	436	457	171	0.31	19	25	

	PART NO.	L (nH)				Q (@ 100MHz)	SRF (GHz)	Turns	Thread Min (mm)
		Min	Nom	Max	No Core				
Surface Mount – Vertical	JLC02E030TRVSM	32	33	34	39	90	1.2	2	6
	JLC03E048TRVSM	46	49	52	59	95	1	3	6
	JLC04E065TRVSM	60	64	68	78	101	0.9	4	6
	JLC05E088TRVSM	74	81	87	99	114	0.9	5	8
	JLC06E110TRVSM	94	107	119	123	119	0.7	6	8
	JLC07E130TRVSM	104	118	133	142	121	0.7	7	10

	PART NO.	L (nH)				Q (@ 100MHz)	SRF (GHz)	Turns	Thread Min (mm)
		Min	Nom	Max	No Core				
Thru Hole Mount – Vertical	JLC02E030TRVPC	32	33	34	39	90	1.2	2	6
	JLC03E048TRVPC	46	49	52	59	95	1	3	6
	JLC04E065TRVPC	60	64	68	78	101	0.9	4	6
	JLC05E088TRVPC	74	81	87	99	114	0.9	5	8
	JLC06E110TRVPC	94	107	119	123	119	0.7	6	8
	JLC07E130TRVPC	104	118	133	142	121	0.7	7	10

