

Johanson

**Non-Magnetic
Variable Coils**



www.rell.com
800 • 737 • 6937
630 • 208 • 2200

 **Richardson Electronics**

PATENT PENDING

MI DRG. NO.

JLCXXEYYYTRSMC

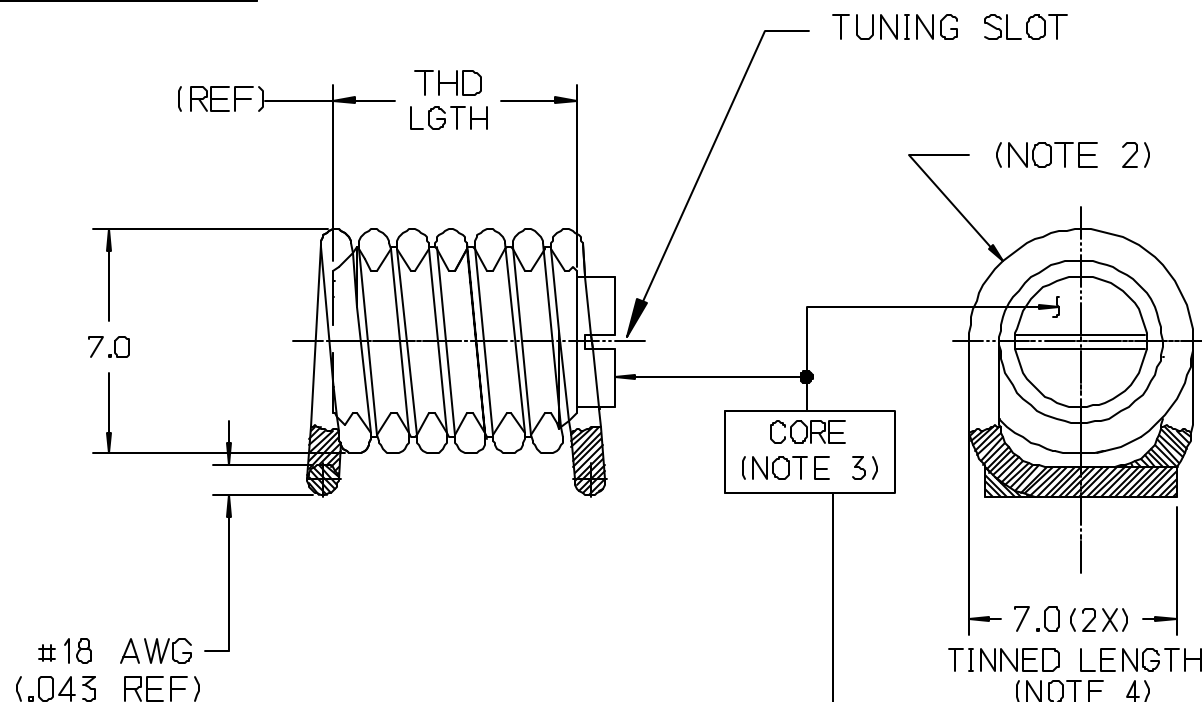
REV.

JLCXXEYYYTRSM**C****VARIABLE INDUCTOR COIL
(NONMAGNETIC)**

FILE AIROUT

NOTES.

1. a. DIMENSIONS mm
b. DIMENSIONS (inches) FOR REFERENCE ONLY
2. COIL
a. MATERIAL:
COPPER ALLOY (COATED)
b. TEMP RANGE UP TO 200°C
3. CORE
a. MATERIAL:
PTFE / COPPER ALLOY
b. SELF-RESONANT FREQUENCY (SRF) IS MEASURED WITH THE CORE FULLY ENGAGED AS DEPICTED
c. L MIN MEASURED WITH CORE ENGAGING FULL WINDINGS. L MAX MEASURED WITH CORE ENGAGING SINGLE TURN.
4. TINNING
a. MATERIAL
RoHS COMPLIANT "SAC" ALLOY



JMC P/N	L (nH)				Q (@ 100 MHz)	SRF (GHz)	TURNS
	MIN	NOM	MAX	NO CORE			
JLC02E030TRSM	30	32	34	35	120	1.5	2
JLC03E048TRSM	48	51	54	57	120	1.3	3
JLC04E065TRSM	60	64	68	78	101	0.9	4
JLC05E088TRSM	74	81	87	99	114	0.9	5
JLC06E110TRSM	88	99	110	123	50	0.6	6
JLC07E130TRSM	104	118	133	142	121	0.7	7

READINGS TAKEN ON AGILENT/8358-A METER.

C	06/25/09	SDJ	SDJ	MAI	000780
B	06/24/09	SDJ	SDJ	MAI	000779
A	03/19/09	MAI	-	-	NONE
LEVEL	DATE	DRN.	CHK.	APP.	ECN

REVISIONS

DRN.	CHK.	APP.	SCALE
MAI	MAI	MAI	NONE
DATE	DATE	DATE	.XX ± .762
03/19/09	03/19/09	03/19/09	.XXX ± .254

**JOHANSON MANUFACTURING CORPORATION**
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 ELECTRONIC ACCURACY THROUGH MECHANICAL PRECISION

PROPRIETARY INFORMATION CONTAINED NOT TO BE USED WITHOUT JOHANSON MANUFACTURING CORPORATION APPROVAL



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Part Number	Turns	Inductance		Q (Min @ 100MHz)	SRF (MHz)
		Tunable Range (nH)	No Core (nH)		
1. JLC02E030TRSM	2	30-34	35	120	1500
2. JLC03E048TRSM	3	48-54	57	120	1300
3. JLC04E065TRSM	4	60-68	78	101	900
4. JLC05E088TRSM	5	74-87	99	114	900
5. JLC06E110TRSM	6	88-110	123	50	600
6. JLC07E130TRSM	7	104-133	142	121	700

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