

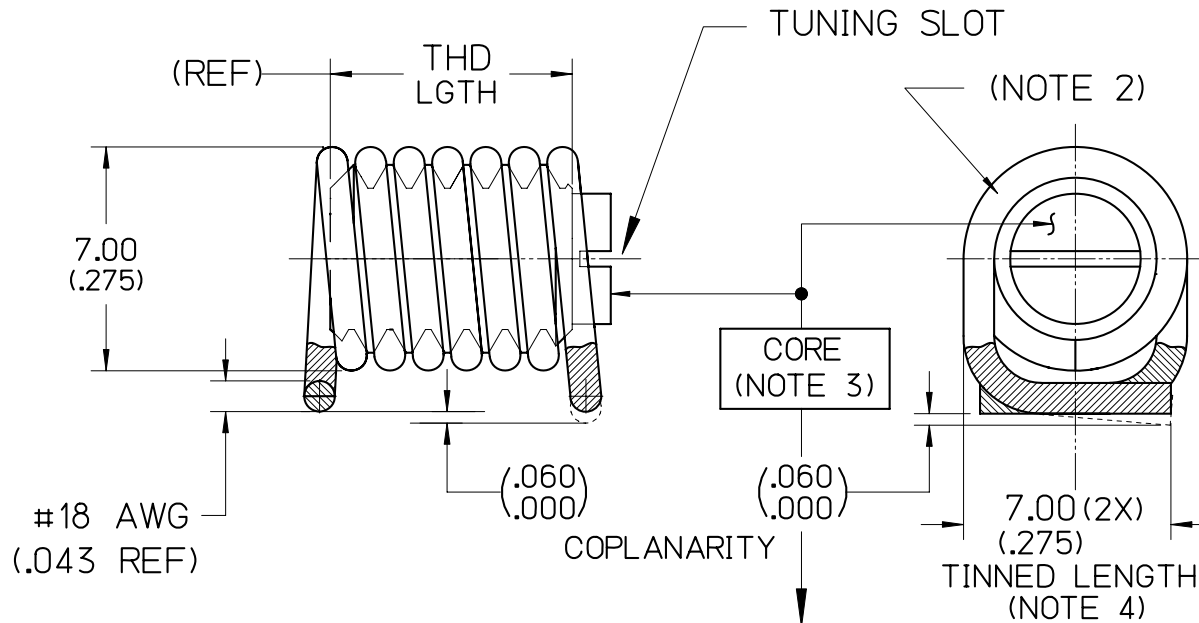
**VTCXXEYYYYTRSM**

**A**

**VARIABLE INDUCTOR COIL  
(NONMAGNETIC)**

*U.S. PATENT No. 8,248,198*

FILE: AIROUT



NOTES:

1. a. DIMENSIONS: mm  
b. DIMENSIONS: (inches) FOR REFERENCE
2. COIL :  
a. MATERIAL:  
COPPER ALLOY (COATED)  
b. COATING ABLE TO WITHSTAND 275°C FOR 100 HOURS AS PER NEMA "CLASS 200". (REF ASTM D2307)
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 A SINGLE TURN.
4. TINNING :  
a. MATERIAL:  
RoHS COMPLIANT "SAC" ALLOY

KNOWLES P/N	L (nH)				Q (@ 100 MHz)	SRF (GHz)	TURNS	THD LGTH mm (in)
	MIN	NOM	MAX	NO CORE				
VTC02E030TRSM	32	33	34	39	90	1.2	2	6(.236)
VTC03E048TRSM	46	49	52	59	95	1.0	3	6(.236)
VTC03E055TRSM	50	55	60	64	95	1.0	3	6(.236)
VTC04E065TRSM	60	64	68	78	101	0.9	4	6(.236)
VTC05E088TRSM	74	81	87	99	114	0.9	5	8(.315)
VTC06E110TRSM	94	107	119	123	119	0.7	6	8(.315)
VTC07E130TRSM	104	118	133	142	121	0.7	7	10(.394)

READINGS TAKEN ON AGILENT/8358-A METER.

A	11/06/17	MAI	-	-	001457
LEVEL	DATE	DRN.	CHK.	APP.	ECN
REVISIONS					
DRN.	MAI	CHK.	MAI	APP.	MAI
DATE	11/06/17	DATE	11/07/17	DATE	11/07/17
					.XX ± .762 .XXX ± .254



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