



RXT30000 SERIES



+200°C

Inductance Range (uH)	Typical Q	Current Rating (mA)
0.010 to 100	35 to 60	28 to 750

ELECTRICAL SPECIFICATIONS

- **Inductance Range:** 0.010 uH to 100 uH
- **Inductance Tolerance:** Standard is $\pm 10\%$, tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -55°C to +200°C
- **Storage Temperature:** -55°C to 200°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
 - P/N RXT30000 thru RXT30011: +125 PPM/oC Max.
 - P/N RXT30012 thru RXT30048: +80 PPM/oC Max.

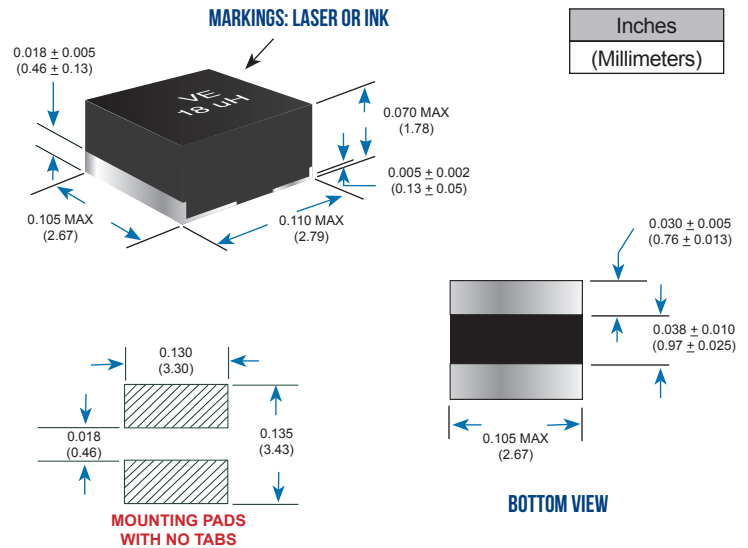
FEATURES

- **Ideal for geophysical applications in environments up to 200°C**
- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** Pure-tin
- **Optional Termination on Request:** Gold plated terminations (add suffix "G")
- **Tape and Reel Packaging Available**
- **Recommended Mounting Technique**
 - Reflow or Vapor Phase Soldering
 - Conductive Epoxy
 - Wire bonding (gold lead only)

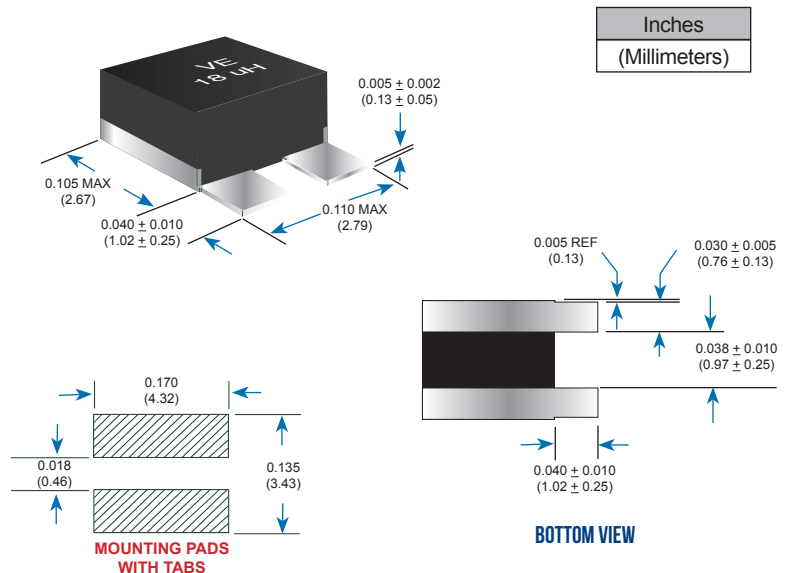
APPLICATIONS

- **Additional Application Grades Available:**
 - Military Grade (MIL-PRF-83446)
 - Space Grade (MIL-STD-981)
 - Commercial Grade or Equivalent

NO TABS



WITH TABS





+200°C

DATA TABLE

WITH TAB TERMINATIONS	WITHOUT TAB TERMINATIONS							
VE P/N	VE P/N	Inductance Nom (uH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Max (mA)
RXT30000	RXT30000 NT	0.010	50	55	150	2000	0.025	750
RXT30001	RXT30001 NT	0.012	50	55	150	2000	0.025	750
RXT30002	RXT30002 NT	0.015	50	55	150	1800	0.04	750
RXT30003	RXT30003 NT	0.018	50	55	150	1500	0.04	750
RXT30004	RXT30004 NT	0.022	45	55	100	1400	0.04	750
RXT30005	RXT30005 NT	0.027	45	50	100	1200	0.04	750
RXT30006	RXT30006 NT	0.033	47	55	100	1100	0.05	640
RXT30007	RXT30007 NT	0.039	47	55	100	1000	0.07	600
RXT30008	RXT30008 NT	0.047	47	55	100	900	0.08	550
RXT30009	RXT30009 NT	0.056	47	55	100	850	0.09	520
RXT30010	RXT30010 NT	0.068	47	55	100	840	0.10	480
RXT30011	RXT30011 NT	0.082	47	55	100	750	0.11	470
RXT30012	RXT30012 NT	0.10	47	55	50	580	0.11	470
RXT30013	RXT30013 NT	0.12	47	55	50	240	0.11	470
RXT30014	RXT30014 NT	0.15	47	55	50	230	0.12	450
RXT30015	RXT30015 NT	0.18	51	60	50	230	0.14	430
RXT30016	RXT30016 NT	0.22	51	60	50	230	0.20	350
RXT30017	RXT30017 NT	0.27	51	60	50	230	0.25	310
RXT30018	RXT30018 NT	0.33	51	60	50	200	0.30	280
RXT30019	RXT30019 NT	0.39	47	55	50	190	0.45	240
RXT30020	RXT30020 NT	0.47	47	55	25	180	0.5	230
RXT30021	RXT30021 NT	0.56	45	53	25	170	0.5	230
RXT30022	RXT30022 NT	0.68	45	53	25	160	0.5	230
RXT30023	RXT30023 NT	0.82	45	53	25	150	0.5	230
RXT30024	RXT30024 NT	1.00	45	53	25	130	0.5	230
RXT30025	RXT30025 NT	1.2	36	43	7.9	120	0.6	200
RXT30026	RXT30026 NT	1.5	36	43	7.9	100	1.1	160
RXT30027	RXT30027 NT	1.8	38	45	7.9	90	1.1	160
RXT30028	RXT30028 NT	2.2	38	45	7.9	85	1.5	130
RXT30029	RXT30029 NT	2.7	41	48	7.9	80	1.7	125
RXT30030	RXT30030 NT	3.3	42	50	7.9	75	1.8	120
RXT30031	RXT30031 NT	3.9	42	50	7.9	65	2.0	110
RXT30032	RXT30032 NT	4.7	41	48	7.9	55	2.3	100
RXT30033	RXT30033 NT	5.6	41	48	7.9	45	2.6	98

CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

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VE P/N	VE P/N	Inductance (uH)	Q (Min)	Q (Typ)	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Max (mA)
RXT30034	RXT30034 NT	6.8	36	43	7.9	40	2.8	94
RXT30035	RXT30035 NT	8.2	36	43	7.9	35	3.0	90
RXT30036	RXT30036 NT	10.0	36	43	7.9	33	3.3	87
RXT30037	RXT30037 NT	12.0	36	43	7.9	26	4.0	79
RXT30038	RXT30038 NT	15.0	32	38	2.5	24	4.2	77
RXT30039	RXT30039 NT	18.0	32	38	2.5	21	4.4	75
RXT30040	RXT30040 NT	22	32	38	2.5	19	7.5	57
RXT30041	RXT30041 NT	27	32	38	2.5	14	8.0	55
RXT30042	RXT30042 NT	33	30	35	2.5	12	13.0	45
RXT30043	RXT30043 NT	39	30	35	2.5	10	17.0	38
RXT30044	RXT30044 NT	47	30	35	2.5	9.0	19.0	36
RXT30045	RXT30045 NT	56	30	35	2.5	8.5	23.0	33
RXT30046	RXT30046 NT	68	30	35	2.5	8.2	25.0	32
RXT30047	RXT30047 NT	82	30	35	2.5	8.0	28.0	30
RXT30048	RXT30048 NT	100	30	35	2.5	7.0	31.0	28

Test Fixtures and Equipment:

To assure accurate measurement of Inductance and Q, use test fixtures and equipment specified in Technical Information on VE1.com

