



XT34000 SERIES



+200°C

Inductance Range (uH)	Typical Q	Current Rating (mA)
0.10 to 10000	85 to 140	21 to 1000

ELECTRICAL SPECIFICATIONS

- **Inductance Range:** 0.10 uH to 10000 uH
- **Inductance Tolerance:** Standard is $\pm 10\%$, tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to 200°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
 - P/N XT34000 thru XT34060: +1600 PPM/°C Max.

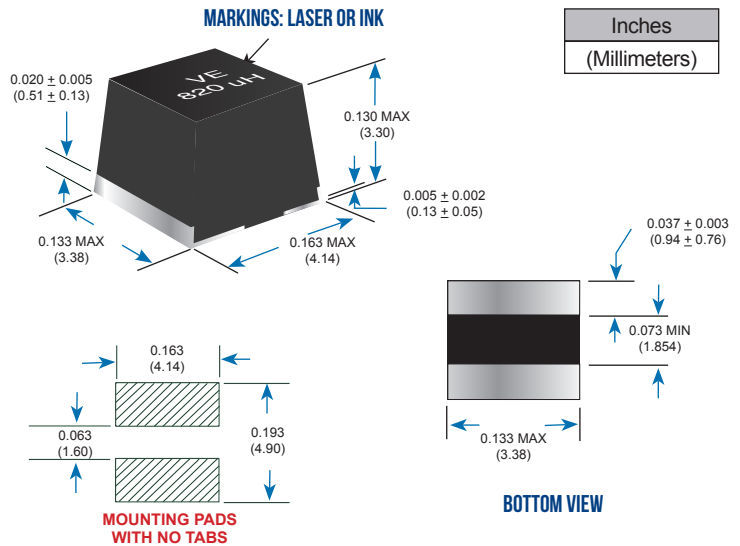
FEATURES

- **Ideal for geophysical applications in environments up to 200°C**
- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** RoHS compliant
- **Optional Terminations 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)

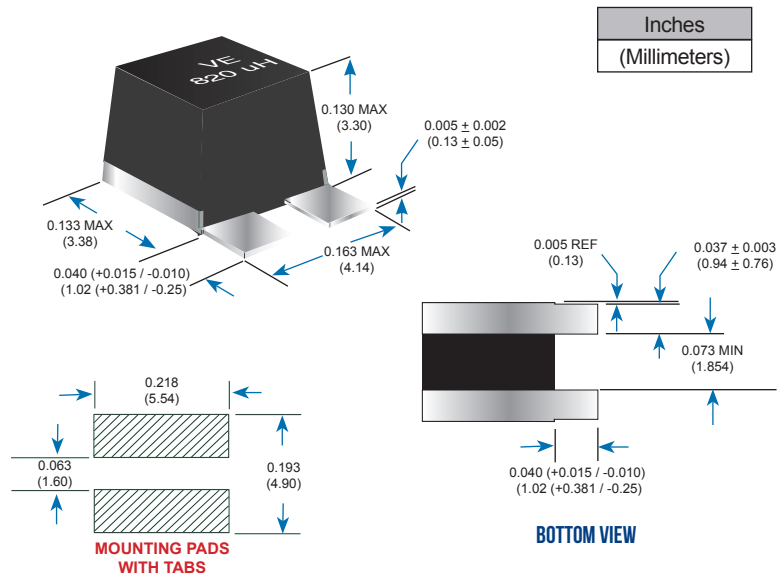
APPLICATIONS

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

NO TABS



WITH TABS





WITH TAB TERMINATIONS		WITHOUT TAB TERMINATIONS		Inductance Nom (uH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Max (mA)
*M83446/11 Dash No.	VE P/N	*M83446/11 Dash No.	VE P/N							
-01	RXT34000	-62	RXT34000 NT	0.10	90	100	25	600	0.03	1000
-02	RXT34001	-63	RXT34001 NT	0.12	90	100	25	520	0.03	1000
-03	RXT34002	-64	RXT34002 NT	0.15	90	100	25	490	0.03	1000
-04	RXT34003	-65	RXT34003 NT	0.18	90	100	25	460	0.04	1000
-05	RXT34004	-66	RXT34004 NT	0.22	90	100	25	430	0.04	1000
-06	RXT34005	-67	RXT34005 NT	0.27	100	113	25	370	0.04	1000
-07	RXT34006	-68	RXT34006 NT	0.33	105	120	25	310	0.05	750
-08	RXT34007	-69	RXT34007 NT	0.39	115	130	25	280	0.05	750
-09	RXT34008	-70	RXT34008 NT	0.47	120	135	25	260	0.05	750
-10	RXT34009	-71	RXT34009 NT	0.56	120	135	25	240	0.06	700
-11	RXT34010	-72	RXT34010 NT	0.68	120	135	25	200	0.06	700
-12	RXT34011	-73	RXT34011 NT	0.82	120	135	25	185	0.06	700
-13	RXT34012	-74	RXT34012 NT	1.00	120	135	25	175	0.09	650
-14	RXT34013	-75	RXT34013 NT	1.20	90	100	7.9	150	0.09	650
-15	RXT34014	-76	RXT34014 NT	1.50	100	115	7.9	135	0.14	600
-16	RXT34015	-77	RXT34015 NT	1.80	100	115	7.9	120	0.20	500
-17	RXT34016	-78	RXT34016 NT	2.20	100	115	7.9	105	0.30	400
-18	RXT34017	-79	RXT34017 NT	2.70	100	115	7.9	85	0.40	350
-19	RXT34018	-80	RXT34018 NT	3.30	100	115	7.9	80	0.46	330
-20	RXT34019	-81	RXT34019 NT	3.90	105	120	7.9	64	0.52	310
-21	RXT34020	-82	RXT34020 NT	4.70	115	130	7.9	56	0.54	300
-22	RXT34021	-83	RXT34021 NT	5.60	115	130	7.9	49	0.60	285
-23	RXT34022	-84	RXT34022 NT	6.80	115	130	7.9	45	0.66	270
-24	RXT34023	-85	RXT34023 NT	8.20	115	130	7.9	41	1.00	225
-25	RXT34024	-86	RXT34024 NT	10	125	140	7.9	39	1.20	200
-26	RXT34025	-87	RXT34025 NT	12	100	113	2.5	34	1.5	180
-27	RXT34026	-88	RXT34026 NT	15	100	113	2.5	30	1.8	170
-28	RXT34027	-89	RXT34027 NT	18	100	113	2.5	26	1.9	160
-29	RXT34028	-90	RXT34028 NT	22	105	120	2.5	23	2.1	150
-30	RXT34029	-91	RXT34029 NT	27	110	125	2.5	20	2.4	140
-31	RXT34030	-92	RXT34030 NT	33	120	135	2.5	18	2.7	130
-32	RXT34031	-93	RXT34031 NT	39	120	135	2.5	17	3.1	125
-33	RXT34032	-94	RXT34032 NT	47	120	135	2.5	16	3.2	125
-34	RXT34033	-95	RXT34033 NT	56	110	125	2.5	14	3.5	120
-35	RXT34034	-96	RXT34034 NT	68	110	125	2.5	12	4.0	111
-36	RXT34035	-97	RXT34035 NT	82	110	125	2.5	10	4.8	102
-37	RXT34036	-98	RXT34036 NT	100	110	125	2.5	9.4	5.7	93
-38	RXT34037	-99	RXT34037 NT	120	85	95	0.79	8.0	6.2	89

* MIL-PRF-83446 numbers for reference

CUSTOM DESIGNS & MODIFICATIONS:

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

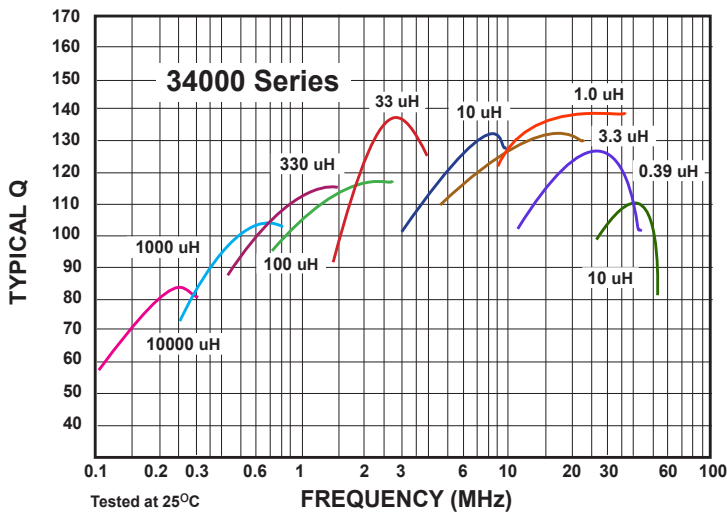
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*M83446/11 Dash No.	VE P/N	*M83446/11 Dash No.	VE P/N							
-39	RXT34038	-100	RXT34038 NT	150	85	95	0.79	8.0	6.3	89
-40	RXT34039	-101	RXT34039 NT	180	85	95	0.79	6.9	6.4	88
-41	RXT34040	-102	RXT34040 NT	220	85	95	0.79	6.1	7.4	82
-42	RXT34041	-103	RXT34041 NT	270	85	95	0.79	5.2	8.1	78
-43	RXT34042	-104	RXT34042 NT	330	100	113	0.79	4.6	8.8	75
-44	RXT34043	-105	RXT34043 NT	390	100	113	0.79	4.0	9.7	72
-45	RXT34044	-106	RXT34044 NT	470	100	113	0.79	3.6	10	69
-46	RXT34045	-107	RXT34045 NT	560	100	113	0.79	2.8	11	66
-47	RXT34046	-108	RXT34046 NT	680	100	113	0.79	2.3	12	64
-48	RXT34047	-109	RXT34047 NT	820	95	106	0.79	2.1	17	53
-49	RXT34048	-110	RXT34048 NT	1000	95	106	0.79	2.0	22	47
-50	RXT34049	-111	RXT34049 NT	1200	75	87	0.25	1.7	24	45
-51	RXT34050	-112	RXT34050 NT	1500	75	87	0.25	1.6	25	44
-52	RXT34051	-113	RXT34051 NT	1800	75	87	0.25	1.5	27	43
-53	RXT34052	-114	RXT34052 NT	2200	75	87	0.25	1.4	30	40
-54	RXT34053	-115	RXT34053 NT	2700	75	87	0.25	1.3	34	38
-55	RXT34054	-116	RXT34054 NT	3300	75	87	0.25	1.2	39	35
-56	RXT34055	-117	RXT34055 NT	3900	75	87	0.25	1.1	56	29
-57	RXT34056	-118	RXT34056 NT	4700	75	87	0.25	1.0	70	26
-58	RXT34057	-119	RXT34057 NT	5600	75	87	0.25	0.90	80	25
-59	RXT34058	-120	RXT34058 NT	6800	75	85	0.25	0.80	90	23
-60	RXT34059	-121	RXT34059 NT	8200	75	85	0.25	0.70	100	22
-61	RXT34060	-122	RXT34060 NT	10000	75	85	0.25	0.70	110	21

* MIL-PRF-83446 numbers for reference



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