



RXT34000 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 RXT34000 thru RXT34060: +125 PPM/°C Max.

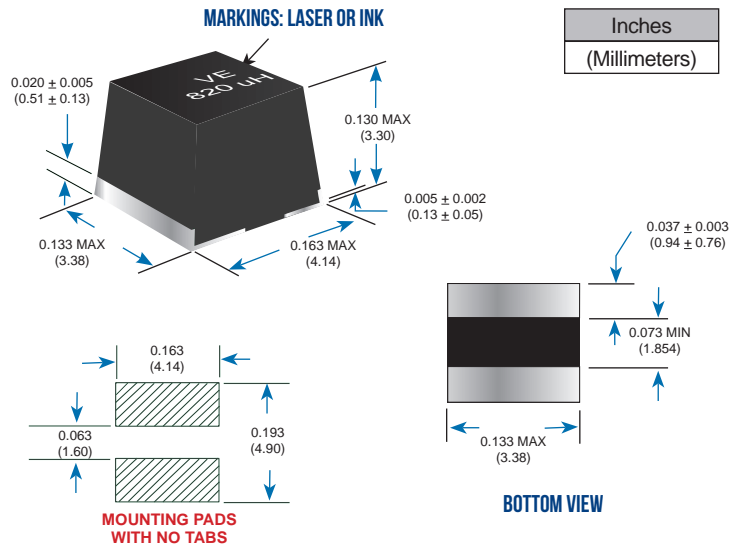
FEATURES

- **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)

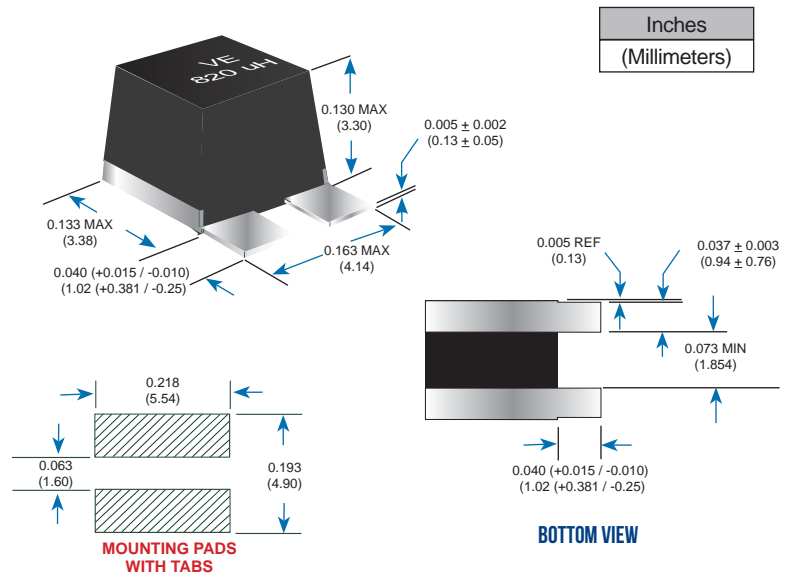
APPLICATIONS

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

NO TABS



WITH TABS



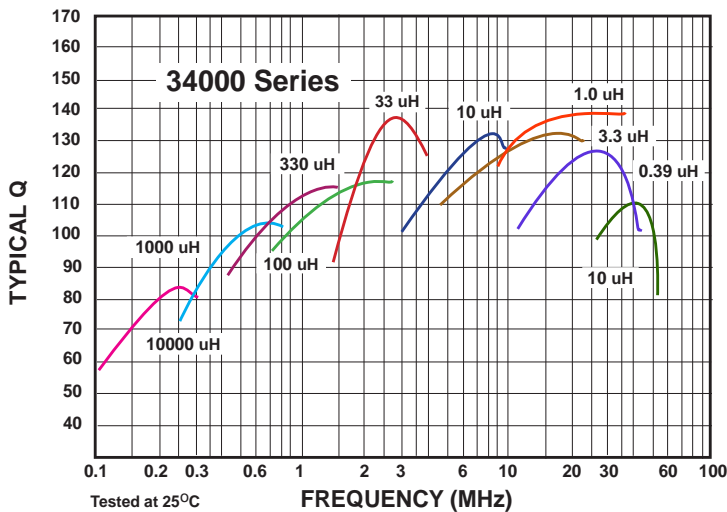


+200°C

DATA TABLE

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							
-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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