



## RXT27000 SERIES



+200°C

Inductance Range (uH)	Typical Q	Current Rating (mA)
12 to 1000	18 to 64	15 to 110

### ELECTRICAL SPECIFICATIONS

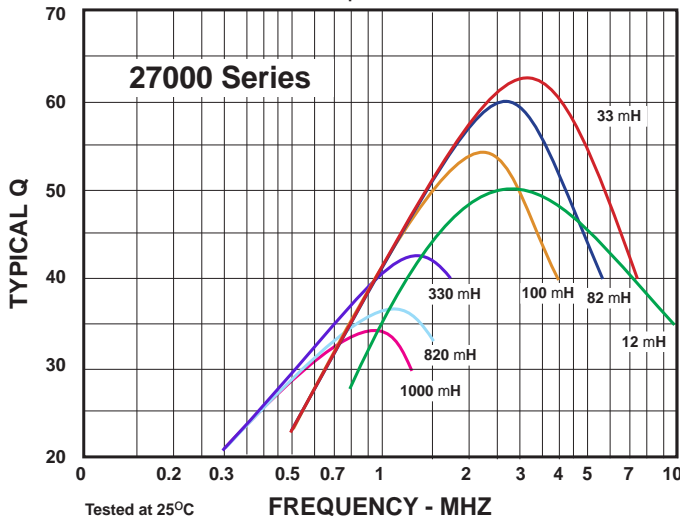
- **Inductance Range:** 12 uH to 1000 uH
- **Inductance Tolerance:** Standard is  $\pm 10\%$ , tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -55°C to +200°C
- **Storage Temperature:** -55°C to 200°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
  - P/N RXT27037 thru RXT27050: +80 PPM/oC Max.
  - P/N RXT27051 thru RXT27060: +200 PPM/oC Max.

### FEATURES

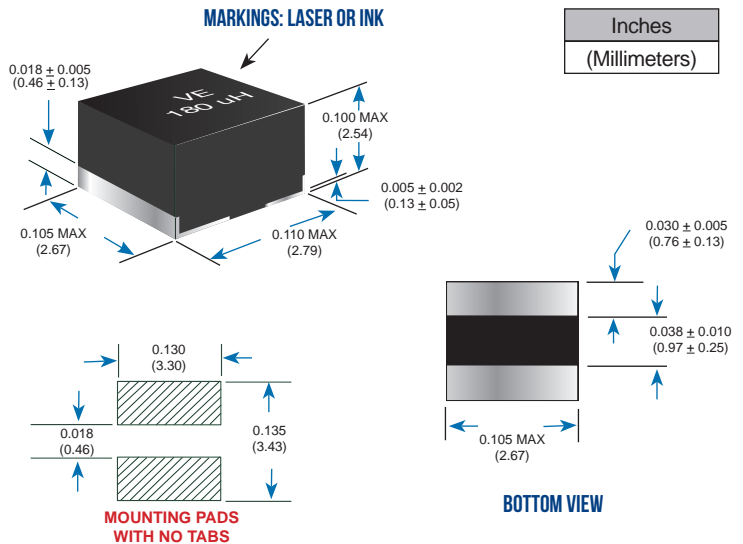
- **Ideal for geophysical applications in environments up to 200°C**
- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** Pure-tin
- **Optional Termination on Request:** Gold plated terminations (add suffix "G")
- **Tape and Reel Packaging Available**
- **Recommended Mounting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

### APPLICATIONS

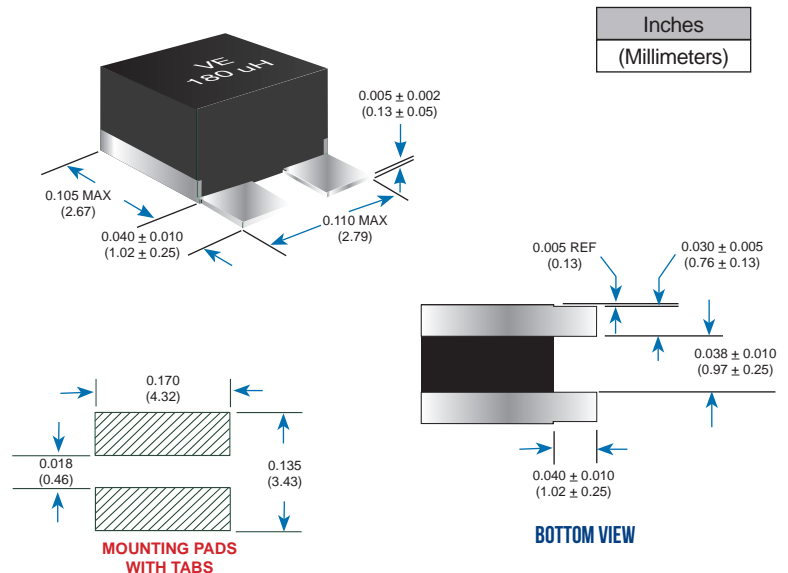
- **Additional Application Grades Available:**
  - Military Grade (MIL-PRF-83446)
  - Space Grade (MIL-STD-981)
  - Commercial Grade or Equivalent



### 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)
RXT27037	RXT27037-NT	12	42	50	2.5	26	2.0	110
RXT27038	RXT27038-NT	15	44	52	2.5	24	2.2	105
RXT27039	RXT27039-NT	18	44	52	2.5	21	2.8	100
RXT27040	RXT27040-NT	22	48	55	2.5	20	3.5	85
RXT27041	RXT27041-NT	27	49	57	2.5	19	4.3	75
RXT27042	RXT27042-NT	33	50	58	2.5	14	5.5	68
RXT27043	RXT27043-NT	39	52	60	2.5	12	6.5	61
RXT27044	RXT27044-NT	47	53	62	2.5	11	8.5	54
RXT27045	RXT27045-NT	56	56	64	2.5	10	12	46
RXT27046	RXT27046-NT	68	53	62	2.5	9	13	42
RXT27047	RXT27047-NT	82	49	57	2.5	8	15	40
RXT27048	RXT27048-NT	100	49	57	2.5	7	18	36
RXT27049	RXT27049-NT	120	37	45	0.79	6	21	34
RXT27050	RXT27050-NT	150	30	38	0.79	5	26	31
RXT27051	RXT27051-NT	180	30	38	0.79	5	28	29
RXT27052	RXT27052-NT	220	26	32	0.79	4.5	32	28
RXT27053	RXT27053-NT	270	26	32	0.79	4.0	36	26
RXT27054	RXT27054-NT	330	24	30	0.79	3.7	42	24
RXT27055	RXT27055-NT	390	24	30	0.79	3.5	46	23
RXT27056	RXT27056-NT	470	24	30	0.79	3.0	68	19
RXT27057	RXT27057-NT	560	22	28	0.79	2.8	77	18
RXT27058	RXT27058-NT	680	20	26	0.79	2.5	85	17
RXT27059	RXT27059-NT	820	16	22	0.79	2.0	100	16
RXT27060	RXT27060-NT	1000	12	18	0.79	1.5	120	15

**CUSTOM DESIGNS & MODIFICATIONS:**

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

RXT27000 SERIES

