



C34000 SERIES



RoHS VERSION AVAILABLE

COTS+

Inductance Range (uH)	Typical Q	Current Rating (mA)
0.10 to 10000	77 to 117	17 to 850

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:** -55°C to +125°C
- **Storage Temperature:** -55°C to 125°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
– P/N C34000 thru C34060: +1600 PPM/°C Max.

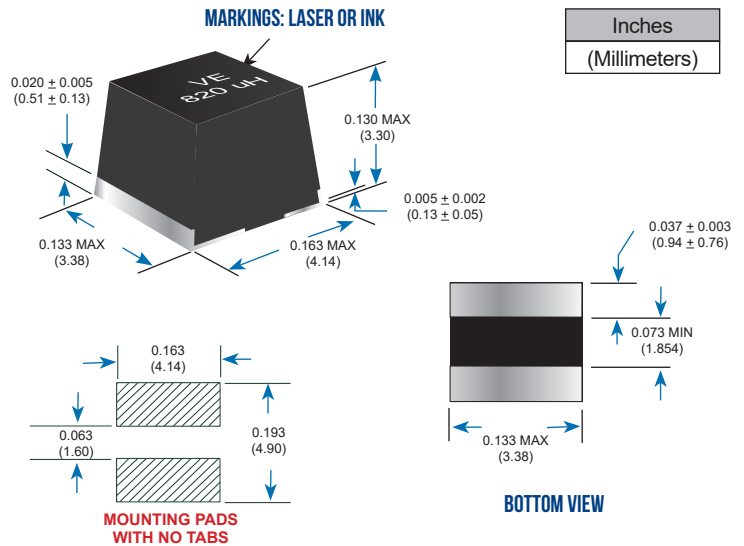
FEATURES

- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** Tin-lead
- **Optional Terminations on Request:**
Gold plated terminations (add suffix "G")
RoHS compliant terminations (add prefix "R")
- **Tape and Reel Packaging Available**
- **Recommended Mounting Technique**
 - Reflow or Vapor Phase Soldering
 - Conductive Epoxy
 - Wire bonding (gold lead only)

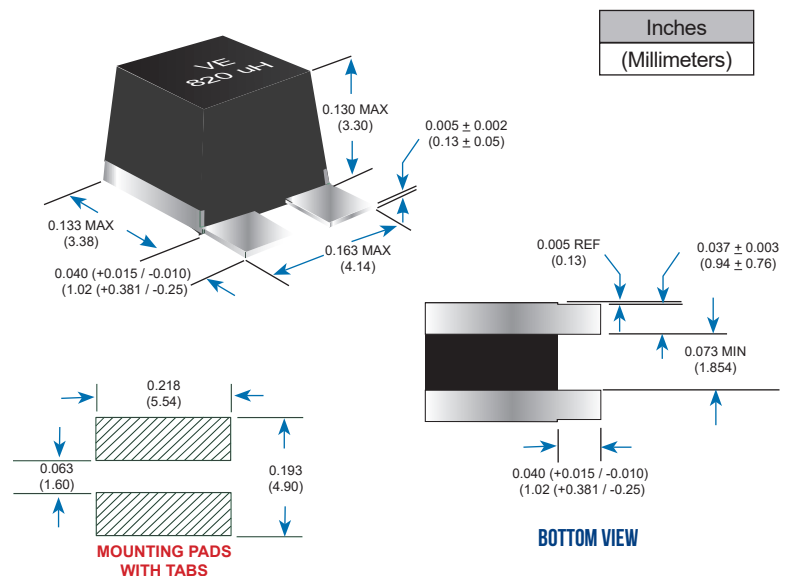
APPLICATIONS

- **Additional Application Grades Available:**
 - Military Grade (MIL-PRF-83446)
 - Space Grade (MIL-STD-981)
 - High temperature Grade (+200°C)

NO TABS



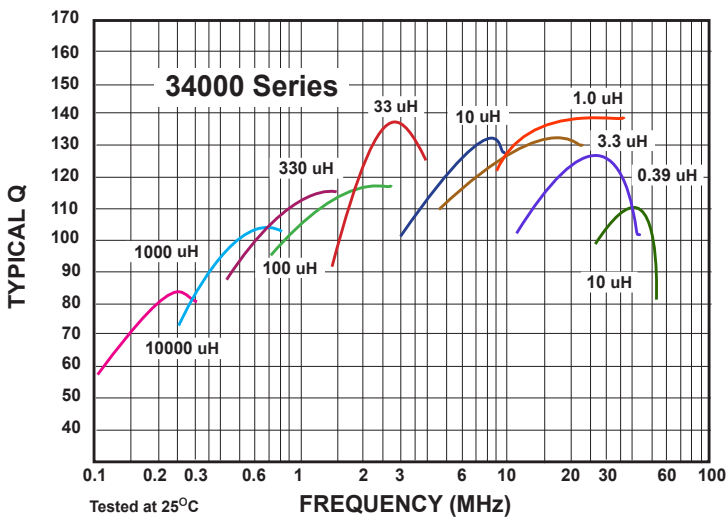
WITH TABS





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							
-40	C34039	-101	C34039 NT	180	77	86	0.79	5.8	7.4	74
-41	C34040	-102	C34040 NT	220	77	86	0.79	5.1	8.5	69
-42	C34041	-103	C34041 NT	270	77	86	0.79	4.4	9.3	66
-43	C34042	-104	C34042 NT	330	90	102	0.79	3.9	10	63
-44	C34043	-105	C34043 NT	390	90	102	0.79	3.4	11	61
-45	C34044	-106	C34044 NT	470	90	102	0.79	3.0	12	58
-46	C34045	-107	C34045 NT	560	90	102	0.79	2.3	13	56
-47	C34046	-108	C34046 NT	680	90	102	0.79	1.9	14	54
-48	C34047	-109	C34047 NT	820	86	102	0.79	1.7	20	45
-49	C34048	-110	C34048 NT	1000	86	95	0.79	1.7	25	39
-50	C34049	-111	C34049 NT	1200	68	95	0.25	1.4	28	38
-51	C34050	-112	C34050 NT	1500	68	78	0.25	1.3	29	37
-52	C34051	-113	C34051 NT	1800	68	78	0.25	1.2	31	36
-53	C34052	-114	C34052 NT	2200	68	78	0.25	1.1	35	34
-54	C34053	-115	C34053 NT	2700	68	78	0.25	1.1	39	32
-55	C34054	-116	C34054 NT	3300	68	78	0.25	1.0	45	29
-56	C34055	-117	C34055 NT	3900	68	78	0.25	0.9	64	24
-57	C34056	-118	C34056 NT	4700	68	78	0.25	0.8	81	22
-58	C34057	-119	C34057 NT	5600	68	78	0.25	0.7	92	21
-59	C34058	-120	C34058 NT	6800	68	77	0.25	0.6	104	19
-60	C34059	-121	C34059 NT	8200	68	77	0.25	0.5	115	18
-61	C34060	-122	C34060 NT	10000	68	77	0.25	0.5	127	17

*MIL-PRF-83446 numbers for reference



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