



RXT62300 SERIES PACKAGE A3



ROHS
COMPLIANT

+200°C

Inductance Range (uH)	DCR max (Ohms)	Current Rating (mA)
15 to 3000	0.035 to 7.72	140 to 2000

ELECTRICAL SPECIFICATIONS

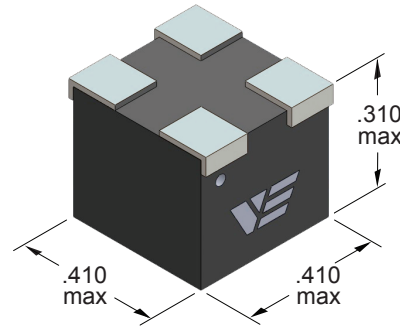
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** ≥ 70% of initial
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

FEATURES

- **Ideal** for geophysical applications in environments ≤ 200°C
- **Compact**, low profile, ideal for automatic placement
- **Terminations:** Pure-tin
- **Welded Internal Connections** - no reflow risk
- **Moisture, Shock and Immersion Resistant**
- **Self Shielding**
- **Other termination finishes available**

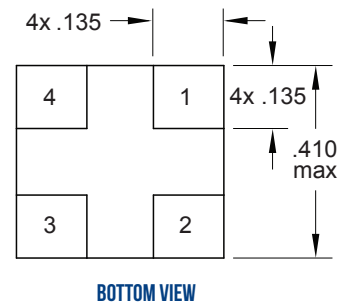
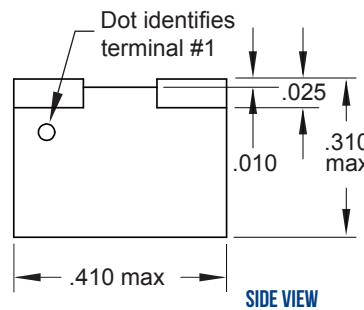
APPLICATIONS

- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- SEPIC converters

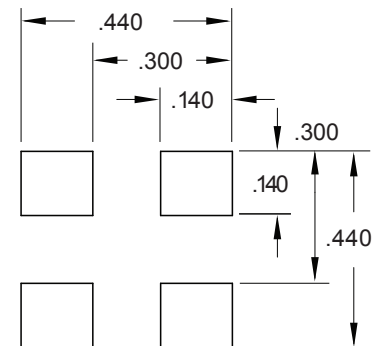


THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

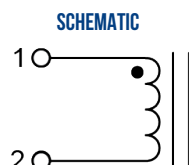
MARKINGS: LASER ETCH OR INK



IN	MM
0.440	11.18
0.410	10.41
0.310	7.87
0.300	7.62
0.140	3.56
0.135	3.43
0.025	0.64
0.010	0.25



RECOMMENDED MOUNTING PAD CIRCUIT SIDE



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DATA TABLE

Vanguard P/N	Inductance (uH ±10%)	DCR max (Ohms)	Rated DC Current (mA)
RXT62301	15	0.035	2000
RXT62302	18	0.047	1900
RXT62303	20	0.051	1700
RXT62304	22	0.055	1600
RXT62305	25	0.064	1550
RXT62306	27	0.074	1500
RXT62307	30	0.078	1420
RXT62308	33	0.083	1350
RXT62309	39	0.088	1300
RXT62310	47	0.119	1100
RXT62311	50	0.125	1050
RXT62312	56	0.131	1000
RXT62313	68	0.188	950
RXT62314	75	0.203	920
RXT62315	82	0.218	890
RXT62316	100	0.284	800
RXT62317	120	0.312	730
RXT62318	150	0.429	650
RXT62319	180	0.478	590
RXT62320	200	0.501	565

Inductance measured at 10 kHz, 0.1 V_{RMS}

Vanguard P/N	Inductance (uH ±10%)	DCR max (Ohms)	Rated DC Current (mA)
RXT62321	220	0.524	540
RXT62322	250	0.630	510
RXT62323	270	0.737	480
RXT62324	300	0.780	450
RXT62325	330	0.824	430
RXT62326	350	0.977	415
RXT62327	390	1.13	400
RXT62328	470	1.25	360
RXT62329	500	1.30	340
RXT62330	560	1.35	330
RXT62331	680	1.88	300
RXT62332	750	1.97	290
RXT62333	820	2.07	280
RXT62334	1000	2.88	250
RXT62335	1200	3.15	230
RXT62336	1500	4.35	200
RXT62337	1800	4.74	180
RXT62338	2000	5.69	175
RXT62339	2200	6.64	170
RXT62340	2700	7.38	150
RXT62341	3000	7.72	140

CUSTOM DESIGNS & MODIFICATIONS:

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

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