

RXT62400 SERIES
PACKAGE A4

+200°C

ELECTRICAL SPECIFICATIONS

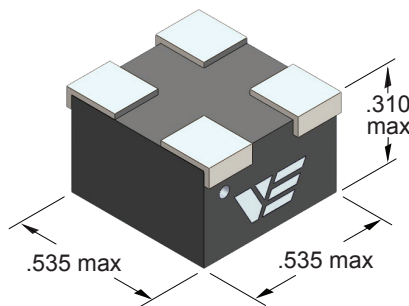
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** $\geq 70\%$ of initial
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values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

FEATURES

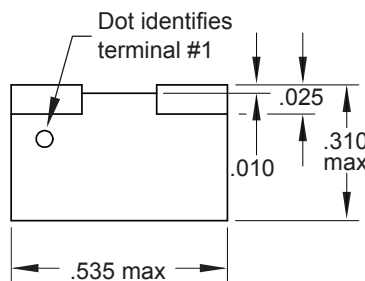
- **Ideal** for geophysical applications in environments $\leq 200^\circ\text{C}$
- **Compact**, low profile, ideal for automatic placement
- **Terminations:** Pure-tin
- **Welded Internal Connections** - no reflow risk
- **Moisture, Shock and Immersion Resistant**
- **Self Shielding**
- **Other termination finishes available**

APPLICATIONS

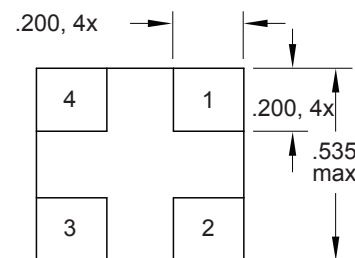
- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- SEPIC converters

THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

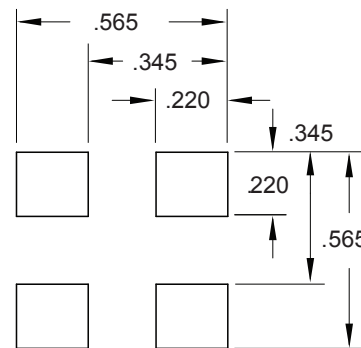


SIDE VIEW



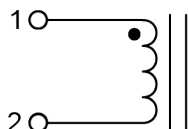
BOTTOM VIEW

IN	MM
0.565	14.35
0.535	13.59
0.345	8.76
0.310	7.87
0.220	5.59
0.200	5.08
0.025	0.64
0.010	0.25



RECOMMENDED MOUNTING PAD CIRCUIT SIDE

SCHEMATIC

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DATA TABLE

Vanguard P/N	Inductance (uH $\pm 10\%$)	DCR max (Ohms)	Rated DC Current (mA)
RXT62401	15	0.0221	2760
RXT62402	18	0.0289	2300
RXT62403	20	0.0349	2250
RXT62404	22	0.0400	2200
RXT62405	25	0.0422	2100
RXT62406	27	0.0444	2000
RXT62407	30	0.0466	1900
RXT62408	33	0.0489	1800
RXT62409	39	0.0676	1600
RXT62410	47	0.0760	1400
RXT62411	50	0.089	1350
RXT62412	56	0.102	1300
RXT62413	68	0.113	1200
RXT62414	75	0.118	1150
RXT62415	82	0.123	1100
RXT62416	100	0.174	1000
RXT62417	120	0.192	920
RXT62418	150	0.268	830
RXT62419	180	0.289	760
RXT62420	200	0.351	720

Inductance measured at 10 kHz, 0.1 V_{RMS}

Vanguard P/N	Inductance (uH $\pm 10\%$)	DCR max (Ohms)	Rated DC Current (mA)
RXT62421	220	0.413	680
RXT62422	250	0.434	650
RXT62423	270	0.456	620
RXT62424	300	0.480	590
RXT62425	330	0.505	560
RXT62426	350	0.599	530
RXT62427	390	0.693	510
RXT62428	470	0.755	470
RXT62429	500	0.887	450
RXT62430	560	1.02	430
RXT62431	680	1.13	390
RXT62432	750	1.34	370
RXT62433	820	1.56	350
RXT62434	1000	1.75	320
RXT62435	1200	1.89	290
RXT62436	1500	2.70	260
RXT62437	1800	2.96	240
RXT62438	2000	3.11	220
RXT62439	2200	3.27	210
RXT62440	2700	4.59	190
RXT62441	3000	4.93	180

CUSTOM DESIGNS & MODIFICATIONS:

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

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