

RXT62200 SERIES
PACKAGE A2

+200°C

ELECTRICAL SPECIFICATIONS

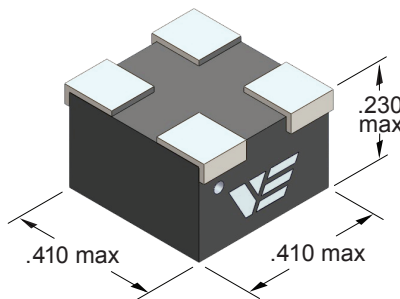
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** $\geq 70\%$ of initial
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values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

FEATURES

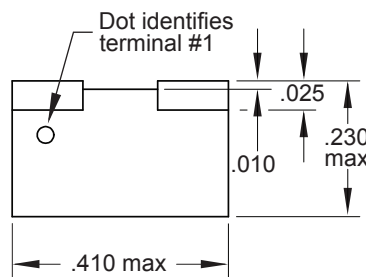
- **Ideal** for geophysical applications in environments $\leq 200^\circ\text{C}$
- **Compact**, low profile, ideal for automatic placement
- **Terminations:** Pure-tin
- **Welded Internal Connections** - no reflow risk
- **Moisture, Shock and Immersion Resistant**
- **Self Shielding**
- **Other termination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

APPLICATIONS

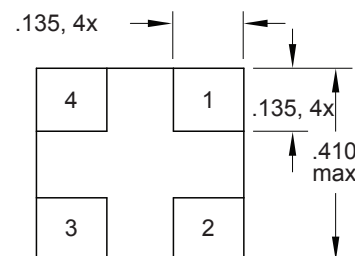
- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- SEPIC converters

THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

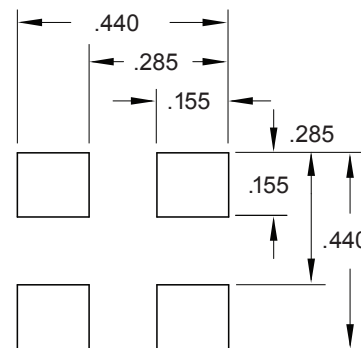


SIDE VIEW



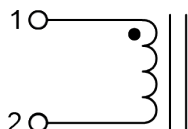
BOTTOM VIEW

IN	MM
0.440	11.18
0.410	10.41
0.285	7.24
0.240	6.10
0.155	3.94
0.135	3.43
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)
RXT62201	15	0.069	1460
RXT62202	18	0.073	1380
RXT62203	20	0.078	1300
RXT62204	22	0.081	1240
RXT62205	25	0.100	1180
RXT62206	27	0.114	1130
RXT62207	30	0.120	1050
RXT62208	33	0.130	1000
RXT62209	39	0.177	920
RXT62210	47	0.196	830
RXT62211	50	0.200	800
RXT62212	56	0.209	780
RXT62213	68	0.263	710
RXT62214	75	0.285	670
RXT62215	82	0.315	640
RXT62216	100	0.443	580
RXT62217	120	0.484	530
RXT62218	150	0.694	470
RXT62219	180	0.760	430
RXT62220	200	0.800	410

Inductance measured at 10 kHz, 0.1 V_{RMS}

Vanguard P/N	Inductance (uH $\pm 10\%$)	DCR max (Ohms)	Rated DC Current (mA)
RXT62221	220	0.84	390
RXT62222	250	1.00	370
RXT62223	270	1.18	350
RXT62224	300	1.22	330
RXT62225	330	1.29	320
RXT62226	350	1.50	300
RXT62227	390	1.76	290
RXT62228	470	1.94	260
RXT62229	500	2.00	250
RXT62230	560	2.12	240
RXT62231	680	2.88	220
RXT62232	750	3.00	210
RXT62233	820	3.16	200
RXT62234	1000	4.42	180
RXT62235	1200	4.84	160
RXT62236	1500	7.10	140
RXT62237	1800	7.77	120
RXT62238	2000	8.00	115
RXT62239	2200	8.58	112
RXT62240	2700	12.11	110
RXT62241	3000	13.00	100

CUSTOM DESIGNS & MODIFICATIONS:

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

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