

RXT62100 SERIES
PACKAGE A1

+200°C

Inductance Range (uH)	DCR max (Ohms)	Current Rating (mA)
15 to 3000	0.11 to 24.7	59 to 820

ELECTRICAL SPECIFICATIONS

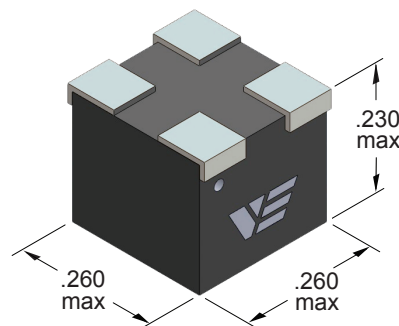
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** $\geq 70\%$ of initial
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values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

FEATURES

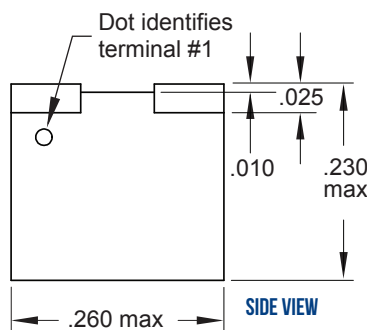
- **Ideal** for geophysical applications in environments $\leq 200^\circ\text{C}$
- **Compact**, low profile, ideal for automatic placement
- **Terminations:** Pure-tin
- **Welded Internal Connections** - no reflow risk
- **Moisture, Shock and Immersion Resistant**
- **Self Shielding**
- **Other termination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

APPLICATIONS

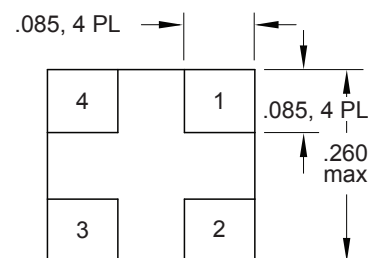
- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- SEPIC converters

THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

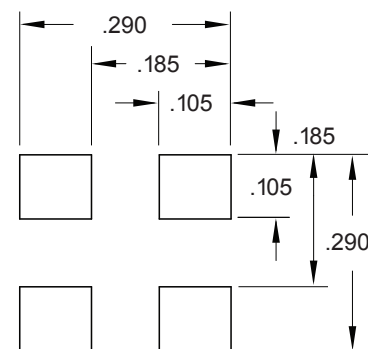


SIDE VIEW



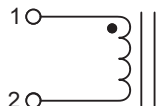
BOTTOM VIEW

IN	MM
0.290	7.37
0.260	6.60
0.230	5.84
0.185	4.70
0.105	2.67
0.085	2.16
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)
RXT62101	15	0.11	820
RXT62102	18	0.12	750
RXT62103	20	0.15	720
RXT62104	22	0.16	690
RXT62105	25	0.17	650
RXT62106	27	0.18	610
RXT62107	30	0.22	580
RXT62108	33	0.25	550
RXT62109	39	0.27	520
RXT62110	47	0.30	460
RXT62111	50	0.32	440
RXT62112	56	0.33	430
RXT62113	68	0.36	390
RXT62114	75	0.38	370
RXT62115	82	0.39	350
RXT62116	100	0.71	320
RXT62117	120	0.78	290
RXT62118	150	0.88	260
RXT62119	180	1.20	240
RXT62120	200	1.25	230

Inductance measured at 10 kHz, 0.1 V_{RMS}

Vanguard P/N	Inductance (uH $\pm 10\%$)	DCR max (Ohms)	Rated DC Current (mA)
RXT62121	220	1.30	220
RXT62122	250	1.60	200
RXT62123	270	1.80	190
RXT62124	300	1.90	180
RXT62125	330	2.0	170
RXT62126	350	2.50	165
RXT62127	390	2.8	160
RXT62128	470	3.0	140
RXT62129	500	3.1	135
RXT62130	560	3.3	130
RXT62131	680	4.7	120
RXT62132	750	5.1	115
RXT62133	820	5.2	110
RXT62134	1000	7.3	100
RXT62135	1200	8.0	93
RXT62136	1500	11.0	83
RXT62137	1800	12.1	75
RXT62138	2000	15.0	70
RXT62139	2200	16.8	68
RXT62140	2700	18.6	62
RXT62141	3000	24.7	59

CUSTOM DESIGNS & MODIFICATIONS:

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

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