



## RXT60000 SERIES PACKAGE A4



RoHS  
COMPLIANT

+200°C

Inductance Range (mH)	DCR Max (Ohms)	Current Rating (mA)
0.025 to 10	.053 to 18.25	140 to 1350

### ELECTRICAL SPECIFICATIONS

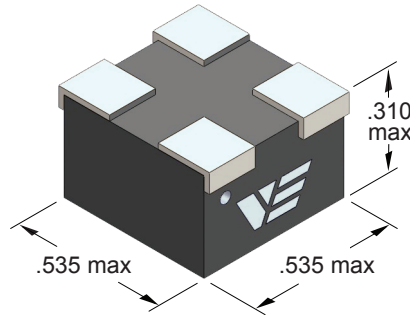
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** ≥ 70% of initial
- **Dielectric Withstanding Voltage:** 100 V<sub>RMS</sub>
- **Different electrical values available upon request**

### FEATURES

- **Ideal** for geophysical applications in environments ≤ 200°C
- **Compact**, low profile, ideal for automatic placement
- **Terminations:** RoHS
- **Welded Internal Connections** - no reflow risk
- **Moisture, Shock and Immersion Resistant**
- **Magnetically Shielded**
- **Other RoHS compliant solder alloy coatings available**
- **Multiple Configurations:** Series, parallel, transformer, dual inductor

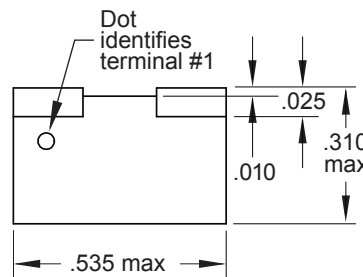
### APPLICATIONS

- Filter inductors
- Power supplies
- Ripple suppressors
- DC/DC converters
- Common mode chokes
- SEPIC converters
- Isolation transformers

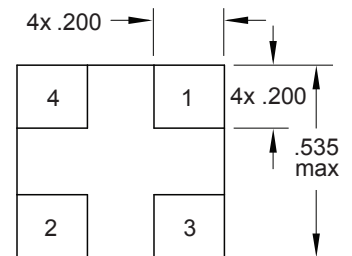


THRU-HOLE &  
GULL-WING PACKAGES  
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

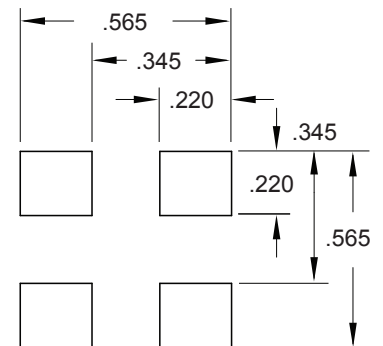


SIDE VIEW



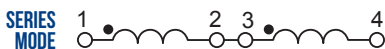
BOTTOM VIEW

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

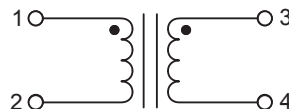


RECOMMENDED MOUNTING PAD CIRCUIT SIDE

#### TYPICAL USER CONNECTIONS



#### SCHEMATIC



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+200°C

DATA TABLE

Vanguard P/N	Series Inductance (mH ±10%)	Series Rated DC Current (mA)	Series DCR max (Ohms)	Parallel Inductance (mH ±10%)	Parallel Rated DC Current (mA)	Parallel DCR max (Ohms)	Package A-
RXT60004	0.100	1350	0.21	0.025	2700	0.053	4
RXT60008	0.250	930	0.41	0.062	1860	0.103	4
RXT60012	0.500	660	0.82	0.125	1320	0.205	4
RXT60016	0.750	540	1.25	0.187	1080	0.313	4
RXT60020	1.000	470	1.87	0.250	940	0.468	4
RXT60024	2.000	330	3.62	0.500	660	0.910	4
RXT60028	3.000	270	5.50	0.750	540	1.380	4
RXT60032	5.000	210	9.12	1.250	420	2.280	4
RXT60036	7.500	170	13.75	1.875	340	3.440	4
RXT60040	10.000	140	18.25	2.500	280	4.570	4

Inductance measured at 10 kHz, 0.1 V<sub>RMS</sub>

**CUSTOM DESIGNS & MODIFICATIONS:**

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

**RXT60000 SERIES**

PACKAGE A4

