



RXT60000 SERIES PACKAGE A0



RoHS
COMPLIANT

+200°C

Inductance Range (uH)	DCR max (Ohms)	Current Rating (mA)
0.020 to 103.44	0.005 to 2.40	250 to 6600

ELECTRICAL SPECIFICATIONS

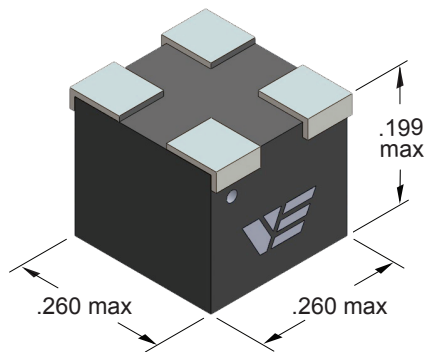
- **Operating Temperature:** -40°C to +200°C
- **Storage Temperature:** -45°C to +205°C
- **Temperature Rise:** < 30°C
- **Inductance at rated DC:** ≥ 70% of initial
- **Dielectric Withstanding Voltage:** 100 V_{RMS}
- **Different electrical values available upon request**

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

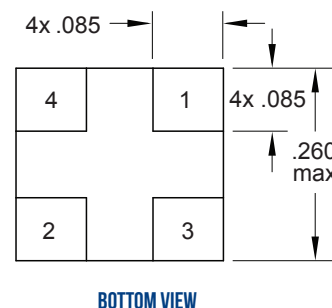
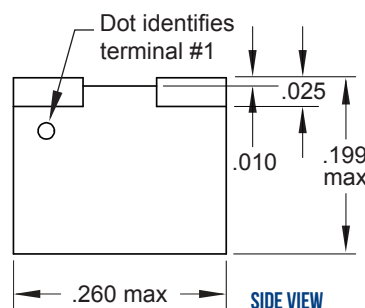
APPLICATIONS

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

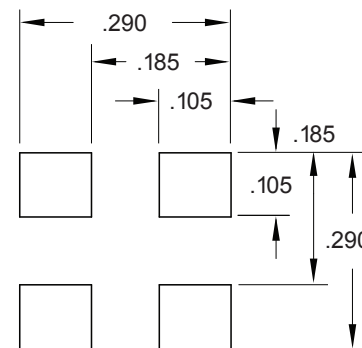


THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

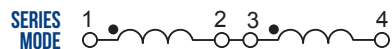


IN	MM
0.290	7.37
0.260	6.60
0.199	5.05
0.185	4.70
0.105	2.67
0.085	2.16
0.025	0.64
0.010	0.25

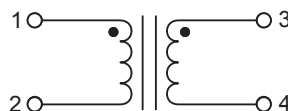


RECOMMENDED MOUNTING PAD CIRCUIT SIDE

TYPICAL USER CONNECTIONS



SCHEMATIC





+200°C

DATA TABLE

Vanguard P/N	Series Inductance (uH ±12%)	Series Rated DC Current (mA)	Series DCR max (Ohms)	Parallel Inductance (uH ±12%)	Parallel Rated DC Current (mA)	Parallel DCR max (Ohms)	Package A-
RXT60073	0.08	3300	0.020	0.020	6600	0.005	0
RXT60074	0.14	2800	0.024	0.035	5600	0.006	0
RXT60075	0.22	2400	0.036	0.055	4800	0.009	0
RXT60076	0.44	1800	0.056	0.110	3600	0.014	0
RXT60077	0.56	1500	0.072	0.140	3000	0.018	0
RXT60078	0.60	2300	0.036	0.150	4600	0.009	0
RXT60079	0.86	1900	0.048	0.215	3800	0.012	0
RXT60080	1.36	1900	0.048	0.340	3800	0.012	0
RXT60081	1.86	1800	0.052	0.465	3600	0.013	0
RXT60082	2.44	1700	0.060	0.610	3400	0.015	0
RXT60083	3.33	1500	0.064	0.833	3000	0.016	0
RXT60084	4.32	1200	0.080	1.08	2400	0.020	0
RXT60085	5.52	1000	0.120	1.38	2000	0.030	0
RXT60086	8.24	950	0.160	2.06	1900	0.040	0
RXT60087	9.80	850	0.240	2.45	1700	0.060	0
RXT60088	11.48	800	0.260	2.87	1600	0.065	0
RXT60089	13.32	750	0.280	3.33	1500	0.070	0
RXT60090	17.40	650	0.360	4.35	1300	0.090	0
RXT60091	19.65	600	0.400	4.91	1200	0.100	0
RXT60092	22.04	550	0.500	5.51	1100	0.125	0
RXT60093	27.20	500	0.560	6.80	1000	0.140	0
RXT60094	32.92	450	0.600	8.23	900	0.150	0
RXT60095	49.60	400	0.900	12.40	800	0.225	0
RXT60096	61.20	350	1.30	15.30	700	0.325	0
RXT60097	78.60	300	1.52	19.65	600	0.380	0
RXT60098	93.08	280	2.20	23.27	560	0.550	0
RXT60099	103.44	250	2.40	25.86	500	0.600	0

Inductance measured at 10 kHz, 0.1 V_{RMS}

CUSTOM DESIGNS & MODIFICATIONS:

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

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PACKAGE A0

