



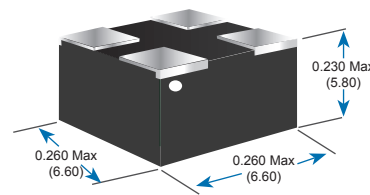
XT73000 SERIES

AS9100 REV C CERTIFIED | ISO 9001:2008 CERTIFIED

Vanguard Electronics has developed the XT73000 series which is specifically designed for power applications, POL, DC/DC converters and power supplies. These inductors are designed and tested specifically for extreme environments. These devices are suited for applications such as oil exploration, high temperature operation, avionics and more. Parts are compatible with all popular types of terminations including wire bonding. Customized versions and custom parts are available upon request.

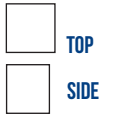
+200°C

Inductance Range (uH)	DCR (Ohms)	I _{max} (mA)
1 to 100	0.02 to 2.40	250 to 2400

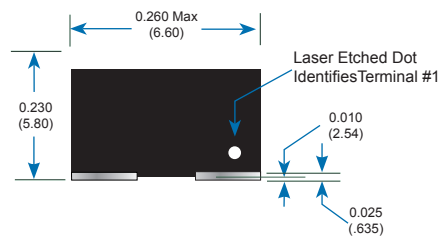


Inches
(Millimeters)

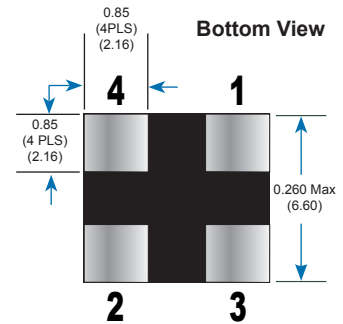
ACTUAL SIZE



Side View



Bottom View



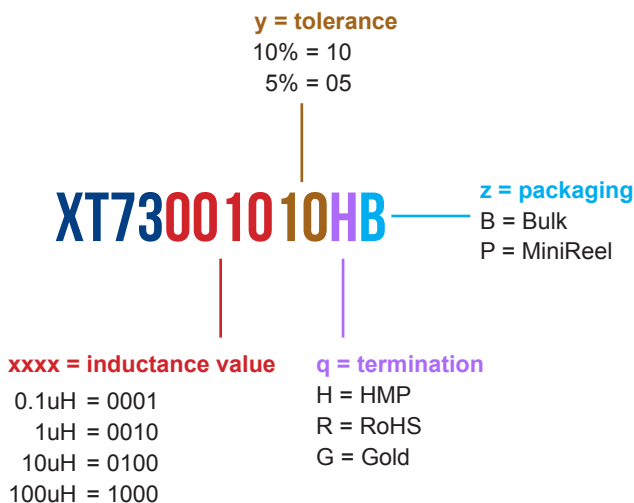
ELECTRICAL SPECIFICATIONS

- **Inductance Range:** 1.0 uH to 100 uH
- **Inductance Tolerance:** Standard is $\pm 10\%$, tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -55°C to +200°C
- **Storage Temperature:** -55°C to +200°C

FEATURES

- Transfer Molded Package
- Internal welded terminations
- Designed with high reliability and high temperature materials
Tested and proven in harsh and extreme environments
- Mini Reels (100pcs) for automatic placement

PART NUMBER



PRELIMINARY

VE P/N	Inductance (uH)	Typical Values		
		DCR (Ohms)	I _{max} (mA)	Config 1 = Series 2 = Paralell
XT730010(yqz)	1	0.02	2400	2
XT730018	1.8	0.05	1800	1
XT730020	2	0.04	1900	2
XT730033	3.3	0.06	1500	1
XT730043	4.3	0.09	1300	2
XT730056	5.6	0.12	1000	1
XT730068	6.8	0.14	1000	2
XT730082	8.2	0.15	950	2
XT730100	10	0.24	800	1
XT730180	18	0.36	650	1
XT730220	22	0.50	550	1
XT730330	33	0.60	450	1
XT730490	49	0.90	400	1
XT730600	60	1.30	350	1
XT730780	78	1.50	300	1
XT731000	100	2.40	250	1

