



# XT72000 SERIES

AS9100 REV C CERTIFIED | ISO 9001:2008 CERTIFIED

+200°C

Vanguard Electronics has developed the XT72000 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.

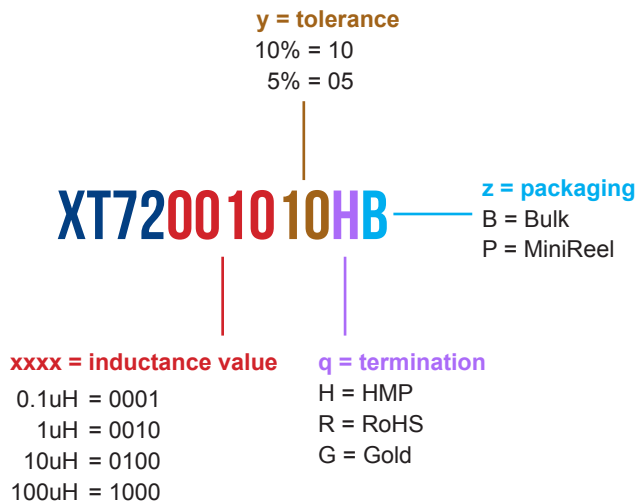
## ELECTRICAL SPECIFICATIONS

- **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

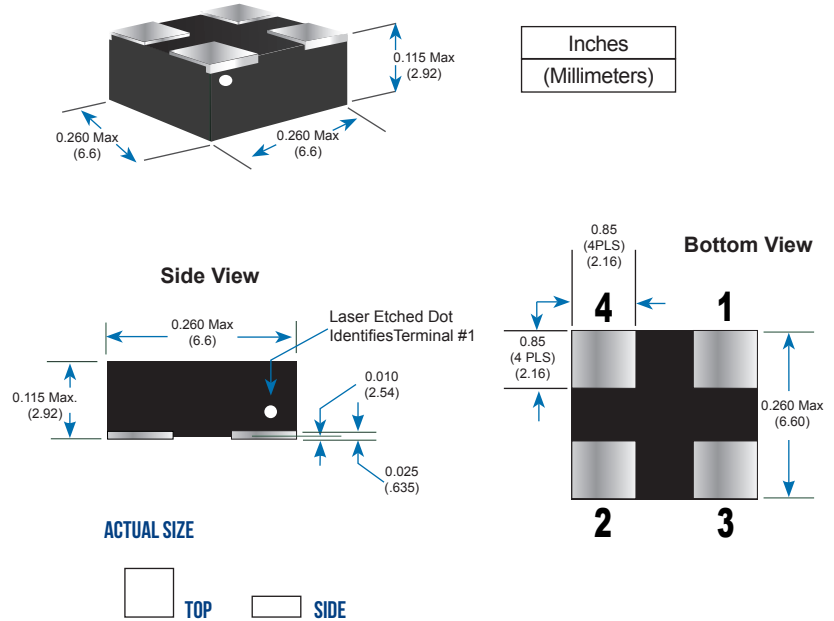
## FEATURES

- 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



Inductance Range (uH)	DCR (Ohms)	I <sub>max</sub> (mA)
1 to 100	TBD	TBD



# PRELIMINARY

VE P/N	Inductance (uH)	Typical Values	
		DCR (Ohms)	I <sub>max</sub> (mA)
XT720010(yqz)	1	TBD	TBD
XT720018	1.8	TBD	TBD
XT720022	2.2	TBD	TBD
XT720033	3.3	TBD	TBD
XT720047	4.7	TBD	TBD
XT720056	5.6	TBD	TBD
XT720068	6.8	TBD	TBD
XT720086	8.6	TBD	TBD
XT720100	10	TBD	TBD
XT720180	18	TBD	TBD
XT720220	22	TBD	TBD
XT720330	33	TBD	TBD
XT720470	47	TBD	TBD
XT720560	56	TBD	TBD
XT720680	68	TBD	TBD
XT720860	86	TBD	TBD
XT720100	100	TBD	TBD

