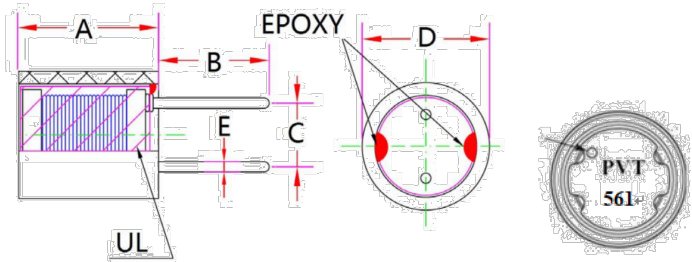


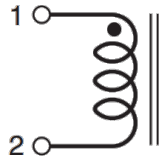
## 1. Shape & Dimensions (mm)



Reference on Drawing	Description
.	Start of Winding
Marking	(561) Inductance Code

Item Size (mm)	A	B	C	D	E
	11.7 ± 0.3	4.8 ± 0.5	7.5 ± 0.5	13.7 ± 0.3	0.8 ± 0.1

## 2. Electrical Properties



Part Number	Inductance (uH)	Inductance Tolerance	D.C.R. (Max Ω) @ 25°C	Saturation Current (Typ A)	Rated Current (Max A)
PVT-MDRFS1412-561K	560	±10%	0.508	1	0.92
PVT-MDRFS1412-102K	1000	± 10%	1.06	0.76	0.64

**Remarks:**

- A. It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.  
 Operating Temperature: -40°C to +125°C  
 Storage Temperature (on original package): -20°C to +40°C; 75% RH max.
- B. Inductance: 10uH~10000uH @ 100KHz/0.1V  
 Idc1(Isat): 0.25A~7.4A Typ. DC current that will cause L0 to drop approximately 20%  
 Idc2(Rated Current): 0.2A~5.8A Max. DC current that will cause an approximate ΔT of 40°C  
 DC Resistance: 0.018Ω~9.87Ω Max.  
 Self-Resonant Frequency: 0.36MHz~36MHz Typ.

(continued)

### 3. Materials/Components List

Item	Description
Core	NiZn
Wire	Copper
Soldering	Tin
Varnish	V1630FS
Heat-Shrinkable Tube	Tube

Manufacturer information and UL ILE numbers for all materials available upon request

### 4. Package

