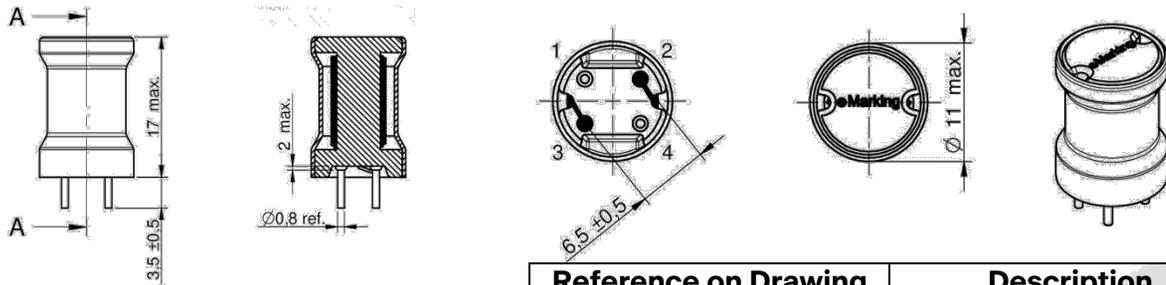
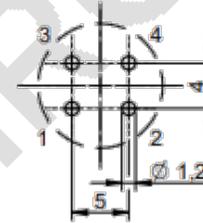


## 1. Shape & Dimensions (mm)



Reference on Drawing	Description
.	Start of Winding
Marking	(681) Inductance Code

## 2. Recommended Land Pattern (mm)



## 3. Electrical Properties



### 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 +80°C  
 Storage Temperature (on tray packaging): -40°C to +80°C; 75% RH max.
- B. Inductance: 100uH~10000uH @ 100KHz/5mA  
 $I_{dc1}(I_{sat})$ : 0.29A~2.75A Typ. DC current that will cause  $L_0$  to drop approximately 10%  
 $I_{dc2}(\text{Rated Current})$ : 0.23A~2.45A Max. DC current that will cause an approximate  $\Delta T$  of 40°C  
 DC Resistance: 0.1 $\Omega$ ~9.7 $\Omega$  Max.  
 Self-Resonant Frequency: 0.26MHz~4MHz Typ.

Part Number	Inductance (uH)	Inductance Tolerance	D.C.R. (Max $\Omega$ ) @ 25°C	Saturation Current (Typ A)	Rated Current (Max A)
PVT-MDDR1016-681K	680	±10%	0.67	1.1	0.9
PVT-MDDR1016-472J	4700	±5%	4.6	0.42	0.34

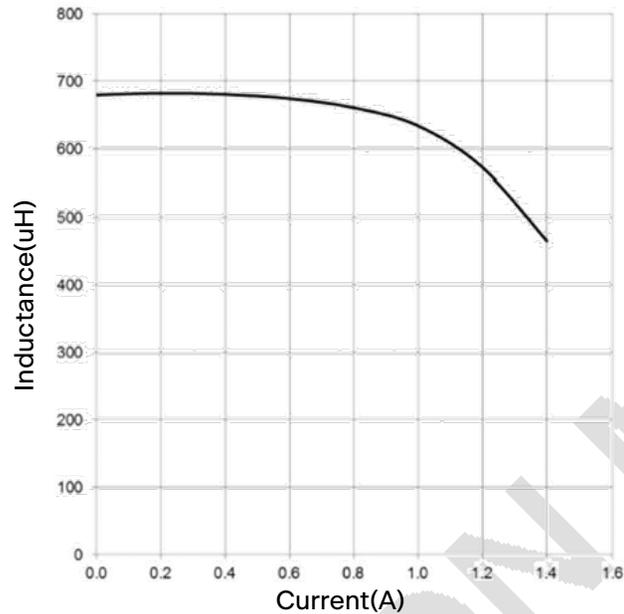
(continued)

## 4. Materials/Components List

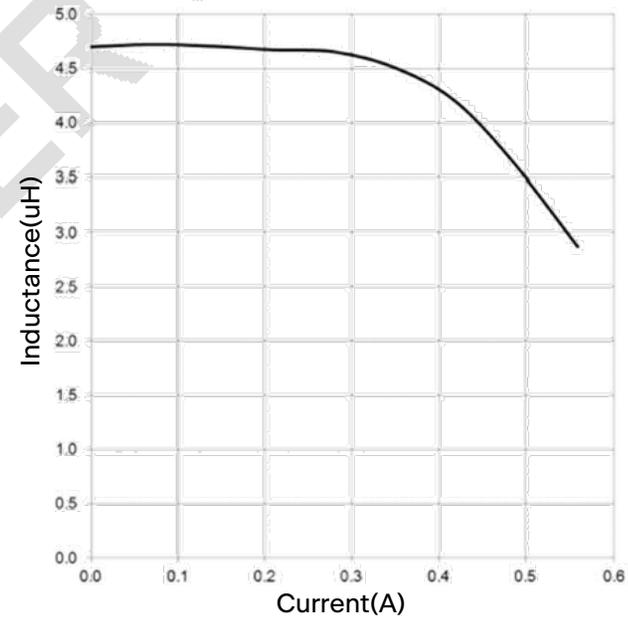
Item	Description
Core	Ferrite Core
Wire	Copper
Soldering	Tin

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

## 5. Typical Inductance vs. Current Characteristics



**PVT-MDDR1016-681K**



**PVT-MDDR1016-472J**