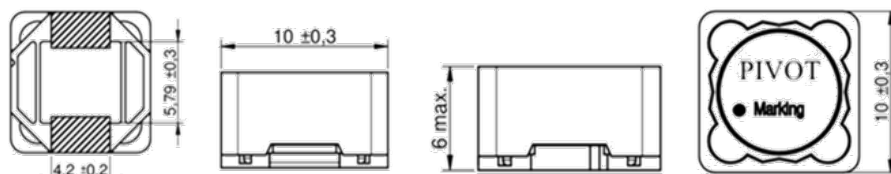


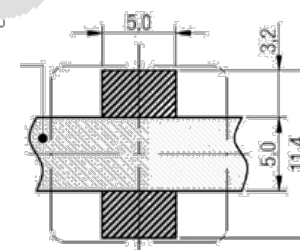
## 1. Shape & Dimensions (mm)



Reference on Drawing <sup>Ⓢ</sup>	Description <sup>Ⓢ</sup>
* <sup>Ⓢ</sup>	Start of winding <sup>Ⓢ</sup>
Marking <sup>Ⓢ</sup>	(222) Inductance code <sup>Ⓢ</sup>

## 2. Recommended Land Pattern (mm)

Solder Resist<sup>Ⓢ</sup>



no vias and traces in restricted area

## 3. Electrical Properties

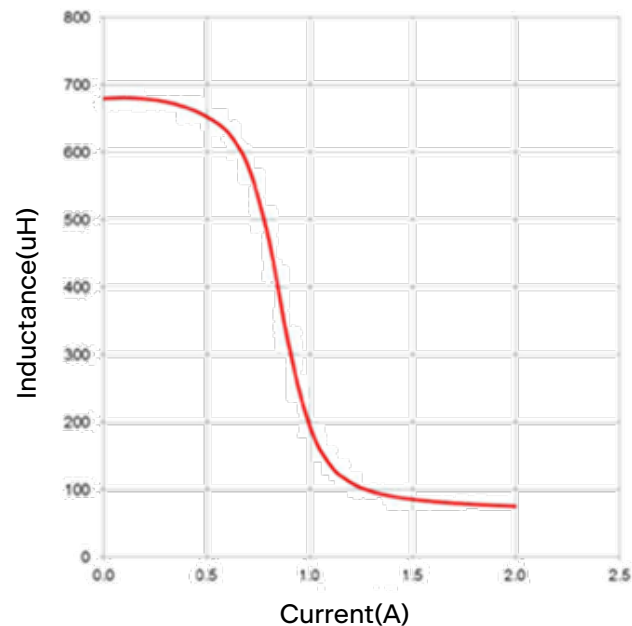
Part Number	Inductance L (uH)	Test Frequency	Inductance Tolerance	D.C.R. (Max Ω) @ 25°C	Saturation Current (Typ A)	Rated Current (Max A)
PVT-MDCDH1060-681M	680	100KHz	± 20%	2.25	0.61	0.55
PVT-MDCDH1060-222M	2200	100KHz	± 20%	6.5	0.37	0.26

### Remarks:

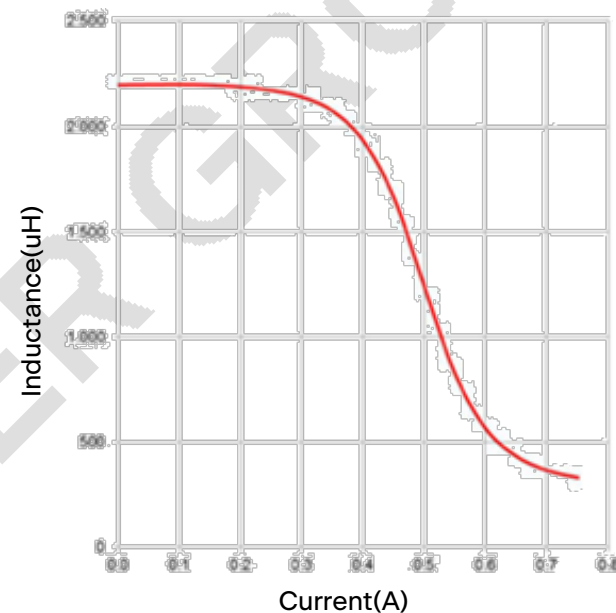
- It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.  
Operating Temperature: -40°C to +125°C  
Storage Temperature (on tape & reel): -20°C to +40°C; 75% RH max.
- Inductance: 47uH~2200uH @ 100KHz/0.25V  
Idc1(Isat): 0.37A~2.3A Typ. DC current that will cause L0 to drop approximately 10%  
Idc2(Rated Current): 0.26A~1.7A Max. DC current that will cause an approximate ΔT of 40°C  
DC Resistance: 0.156Ω~6.5Ω Max.  
Self-Resonant Frequency: 1.2MHz~10.2MHz Typ

(continued)

## 4. Typical Inductance vs. Current Characteristics



**PVT-MDCDH1060-681M**



**PVT-MDCDH1060-222M**