

## Telecoil-antennas Inductor

PAS6420F-SERIES

## 1. Features

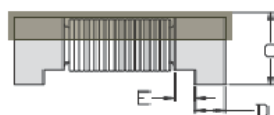
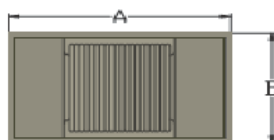
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS6420F-series realizes small size and low profile. 6.4x2.3x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements (HAC-Act) acc. ANSI C63.19
5. Operating temperature -40~+125°C (Including self - temperature rise)



## 2. Applications

1. T-coil/HAC-coil for hearing and aid compatible cell phones.
2. Decoupling in RF and IF-circuit.
3. Transponder antenna.

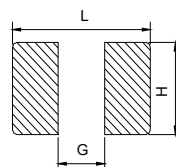
## 3. Dimensions



| Size     | A(mm)   | B(mm)   | C(mm)   | D(mm)    | E(mm)    |
|----------|---------|---------|---------|----------|----------|
| PAS6420F | 6.4±0.3 | 2.3±0.2 | 1.8±0.2 | 0.9 ref. | 0.5 ref. |

Unit:mm

## Recommend PC Board Pattern



| L(mm) | G(mm) | H(mm) |
|-------|-------|-------|
| 7.0   | 4.6   | 2.0   |

## 4. Part Numbering



A: Series  
 B: Dimension L x H  
 C: Lead Free Code  
 D: Inductance 702=7000 uH  
 E: Inductance Tolerance K=±10%, J=±5%

## 5. Specification

| Part Number   | Inductance (uH) | f <sub>L0</sub> (kHz) | SRF KHz(min) | RDC(Ω) MAX | Rated current (mA)Max. |
|---------------|-----------------|-----------------------|--------------|------------|------------------------|
| PAS6420F-522J | 5200±5%         | 125                   | 520          | 113        | 30                     |
| PAS6420F-622J | 6200±5%         | 125                   | 488          | 123        | 30                     |
| PAS6420F-702J | 7000±5%         | 125                   | 420          | 125        | 20                     |
| PAS6420F-722K | 7200±10%        | 125                   | 450          | 130        | 15                     |