

1. Features

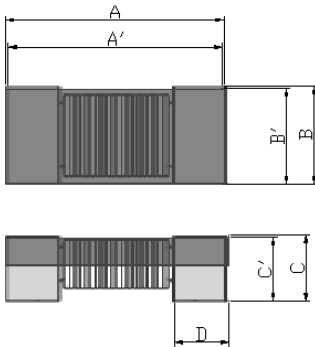
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS4420F-series realizes small size and low profile. 4.4x2.0x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3 FCC requirements(HAC-Act) acc. ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C (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 .

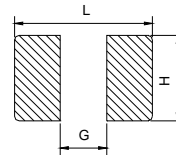
3. Dimensions



Size	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D(mm)
PAS4420V	4.55±0.25	4.2±0.2	2.2±0.25	1.80±0.2	2.0±0.2	1.80±0.2	0.98 ref.

Units : mm

Recommend PC Board Pattern



L(mm)	G(mm)	H(mm)
4.6	2.54	2

4. Part Numbering



- A: Series
- B: Dimension
- C: Category Code
- D: Inductance
- E: Inductance Tolerance
- F: Test Frequency
- G : Category Code
- L x H
- V=Vehicle
- 492=4900 uH
- K=±10%
- 10 KHZ
- DS=Double Silver

5. Specification

Part Number	Inductance (uH) ±10%	f _{L0} (kHz)	SRF MHz(min)	RDC (Ω) max.	Rated current (mA) max.
PAS4420V-352K-F10-DS	3500	10	1.00	85	20
PAS4420V-492K-F10-DS	4900	10	0.65	109	20

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25°C ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4292A ; RDC: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20°C .