

Telecoil-antennas Inductors

PAS1225V-SERIES

1. Features

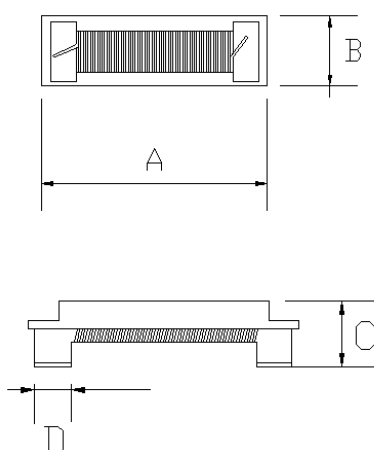
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS1225V-series realizes small size and low profile. **11.6x3.8x2.5mm.**
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) . ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C (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 .

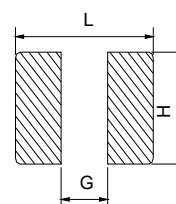
3. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
PAS1225V	11.6±0.3	3.8±0.3	2.5±0.3	1.50 ref.

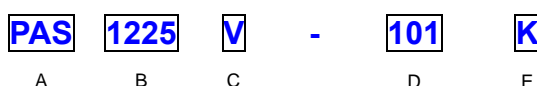
Unit:mm

Recommend PC Board Pattern



L(mm)	G(mm)	H(mm)
11.6	8.0	3.6

4. Part Numbering



A: Series
 B: Dimension L x H
 C: Category Code V=Vehicle
 D: Inductance 101=100uH
 E: Inductance Tolerance K=±10% , J=±5%

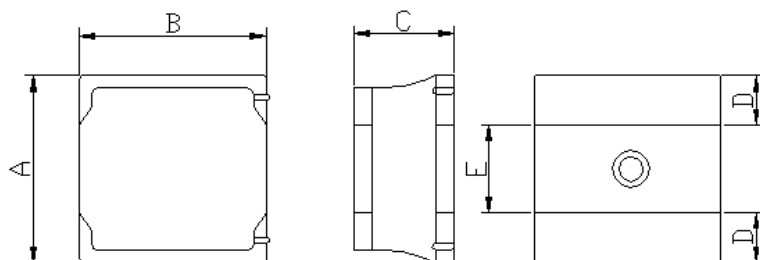
Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	RDC (Ω)max.	Rated current (mA) max.	SRF (MHz) min.
PAS1225V-101K	100±10%	0.1V/125K	20	3.0	300	20
PAS1225V-201K	200±10%	0.1V/125K	20	6.0	200	2.0
PAS1225V-492J	4900±5%	0.1V/125K	20	50	50	0.34
PAS1225V-722J	7200±5%	0.1V/125K	40	40	50	0.30

1. Features

1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS3010F-series realizes small size and low profile. 3.0x3.0x1.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) ANSI C63.19
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C (Including self - temperature rise)



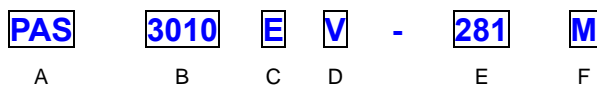
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
PAS3010	3.0±0.2	3.0±0.2	1.0max.	1.0 ref.	1.0 ref.

Units: mm

3. Part Numbering



A: Series	
B: Dimension	
C: Lead Free	Material
D: Category Code	V=Vehicle
E: Inductance	281=280uH
F: Inductance Tolerance	M=±20%

4. Specification

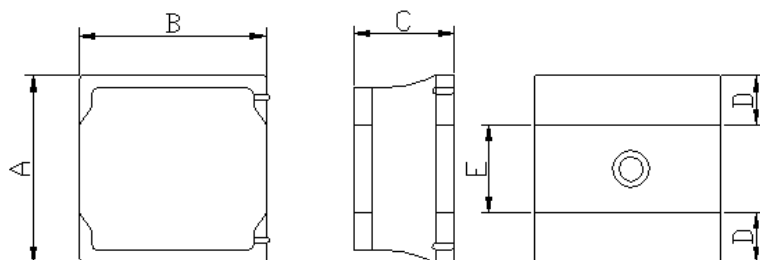
Part Number	Inductance (uH) ±20%	Test Frequency (KHz)	SRF MHz(min)	RDC(Ω) Max.	Rated current (mA)Max.
PAS3010EV-281M	280	10/1V	8.5	17.8	50

1. Features

1. Hearing Aid Compatibility-/ Telecoil -antennas;
2. PAS3012F-series realizes small size and low profile. .3.0x3.0x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 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. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
PAS3012	3.0±0.2	3.0±0.2	1.2 max.	1.0 ref.	1.0 ref.

Units: mm

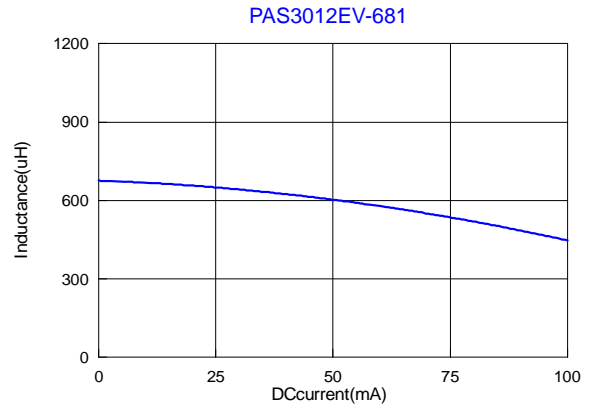
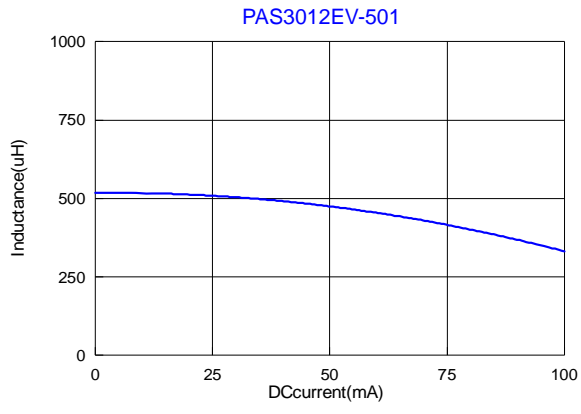
3. Part Numbering

PAS	3012	E	V-	681	K
A	B	C	D	E	F

A: Series	
B: Dimension	L x W
C: Lead Free	Material
D: Category Code	V=Vehicle
E: Inductance	681=680uH
F: Inductance Tolerance	K=±10% M=±20%

4. Specification

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	SRF MHz(typ)	RDC(Ω) Max.	Rated current (mA)Max.
PAS3012EV-501M	500	±20%	10/1V	5.0	18	80
PAS3012EV-681K	680	±10%	10/1V	5.0	22	80

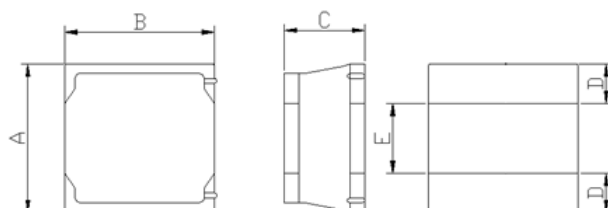


1. Features

1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS3010F-series realizes small size and low profile. 3.0x3.0x1.5 mm
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C (Including self - temperature rise)



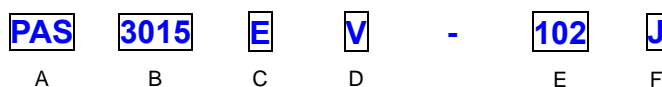
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
PAS3015	3.0±0.2	3.0±0.2	1.5±0.1	1.0±0.2	1.0±0.2

Units: mm

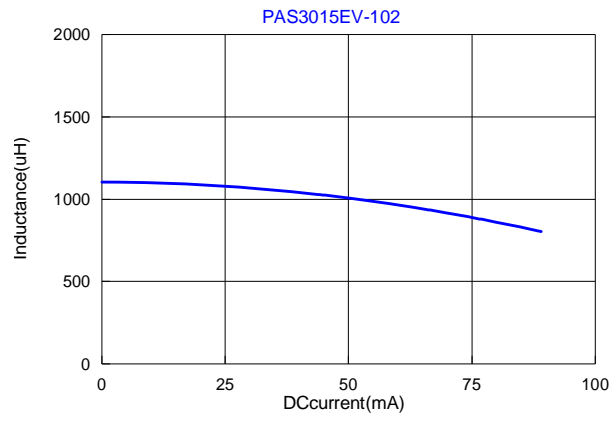
3. Part Numbering



- A: Series
 B: Dimension L x W
 C: Lead Free Material
 D: Category Code V=Vehicle
 E: Inductance 102=1080uH
 F: Inductance Tolerance J =±5%

4. Specification

Part Number	Inductance (uH)	Test Frequency (Hz)	Q typ	SRF MHz(typ)	RDC(Ω) Max.	Rated current (mA)Max.
PAS3015EV-102J	1080±5%	1V/125K	10	1.5	35.0	50

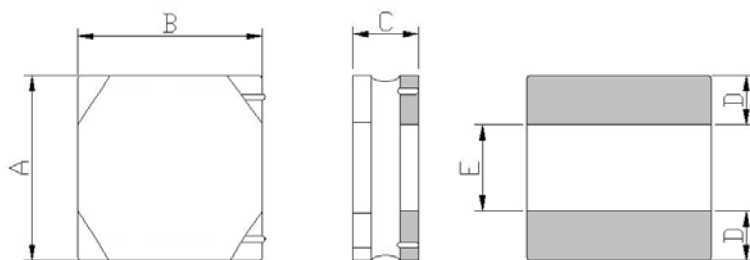


1. Features

1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS3010F-series realizes small size and low profile. 4.0x4.0x1.8 mm
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C (Including self - temperature rise)



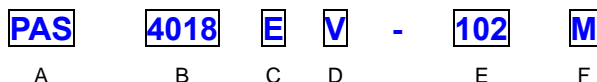
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
PAS4018	4.0±0.2	4.0±0.2	1.8max.	1.2 ref.	1.6 ref.

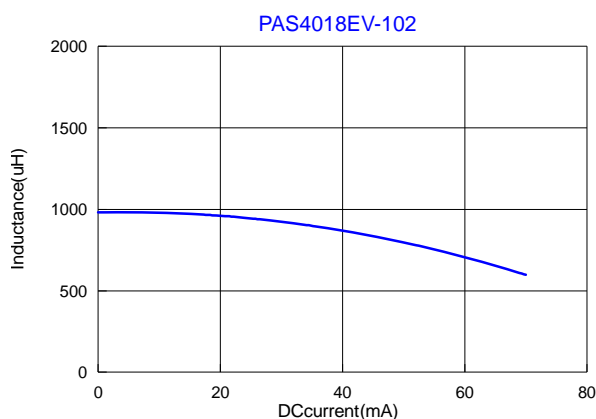
Units: mm

3. Part Numbering



- A: Series
- B: Dimension
- C: Lead Free Material
- D: Category Code V=Vehicle
- E: Inductance 102=1000uH
- F: Inductance Tolerance M=±20%

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF MHz(min)	RDC(Ω) Max.	Rated current (mA)Max.
PAS4018EV-102M	1000±20%	1V/100K	3.00	13.0	60



1. Features

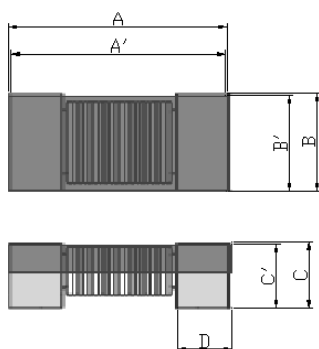
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS4420F-series realizes small size and low profile. 4.4x2.0x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3 FCC requirements(HAC-Act) acc. ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C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

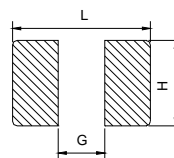
3. Dimensions



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

PAS	4420	V	-	492	K	-	F10	-	DS
A	B	C		D	E		F		G

A: Series	
B: Dimension	L x H
C: Category Code	V=Vehicle
D: Inductance	492=4900 uH
E: Inductance Tolerance	K=±10%
F: Test Frequency	10 KHZ
G : Category Code	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 ; I rms:CH3302,CH1320 ; SRF: Agilent-4292A ; RDC: Agilent-34420A
4. Rated Current (I rms) will cause the coil temperature rise approximately Δt of 20°C .

1. Features

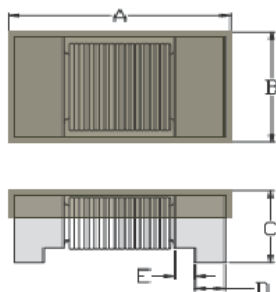
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS6420F-series realizes small size and low profile. 6.4x2.3x2.0 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC-Act) acc. ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200
6. Operating temperature-55~+125°C (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 .

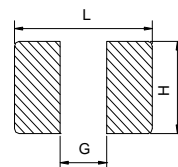
3. Dimensions



Size	A(mm)	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.

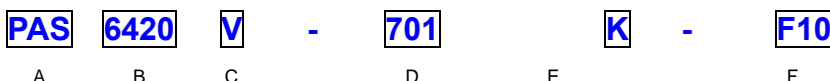
Unit:mm

Recommend PC Board Pattern



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

4. Part Numbering



- A: Series
 - B: Dimension
 - C: Category Code
 - D: Inductance
 - E: Inductance Tolerance
 - F: Test Frequency
- L x H
 - V=Vehicle
 - 701=700 uH
 - K=±10%
 - 10 KHZ

5. Specification

Part Number	Inductance (uH) ±10%	fLo (kHz)	SRF Hz(min)	RDC(Ω) ±10%	Rated current (mA)Max.
PAS6420V-701K-F10	700	10	2.45M	12	80
PAS6420V-532K-F10	5300	10	510K	66	30
PAS6420V-722K-F10	7200	10	450K	130	15

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-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20°C .

1. Features

1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS8027V-series realizes small size and low profile. 7.85x2.7x2.7 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)



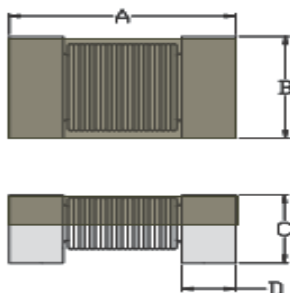
2. Applications

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

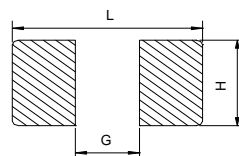
3. Dimensions

Size	A(mm)	B(mm)	C(mm)	D(mm)
PAS8027V	7.85max	2.7max	2.7max	1.15 ref.

Units : mm

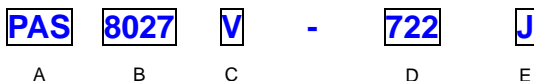


Recommend PC Board Pattern



L(mm)	G(mm)	H(mm)
9.5	5.2	2.9

4. Part Numbering



- A: Series
- B: Dimension
- C: Lead Free Code
- D: Inductance
- E: Inductance Tolerance
- V=Vehicle
- 722=7.2 mH
- J=±5%

5. Specification

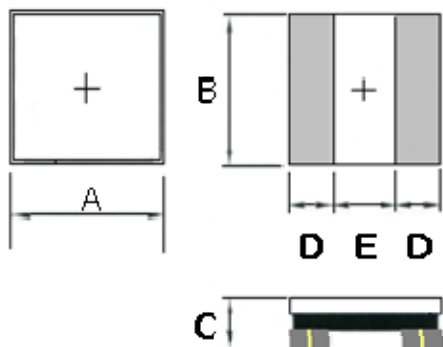
Part Number	Inductance (mH) ±5%	Test Frequency (Hz)	Q Typ.	RDC (Ω) max	Rated current (mA) max.
PAS8027V-452J	4.5	125K	30	80	20
PAS8027V-492J	4.9	125K	30	85	20
PAS8027V-722J	7.2	125K	35	105	20
PAS8027V-193J	18.52	125K	35	240	20

1. Features

1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS201615V-series realizes small size and low profile. 2.0x1.6x1.5 mm.
- 3.100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 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)



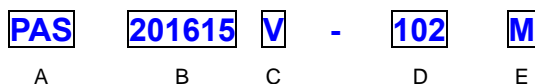
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
PAS201615	2.0 ± 0.2	1.6 ± 0.2	1.50Max.	0.60 ref.	0.80 ref.

Units: mm

3. Part Numbering



A: Series

B: Dimension

C: Category Code

V=Vehicle

D: Inductance

102=1000uH

E: Inductance Tolerance

M=±20%

4. Specification

Part Number	Inductance (uH) ±20%	Test Frequency (Hz)	SRF MHz(min)	RDC(Ω) Max.	Rated current (mA)Max.
PAS201615V-102M	1000	0.1V/10K	4	38	20