

Transponder Coils

PASU4420V- SERIES

1. Features

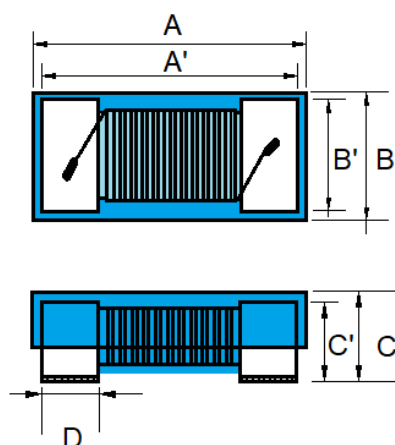
1. Suitable for pick and place and AOI (Automatic Optical Inspection)
2. PASU4420V-series realizes small size and low profile. 4.75x2.25x1.80 mm.
3. All coated structure for better wiring protection.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Suitable for lead-free reflow soldering
6. High reliability -Reliability tests comply with AEC-Q200
7. Operating temperature -55~+125°C (Including self - temperature rise)
8. Patent pending



2. Applications

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

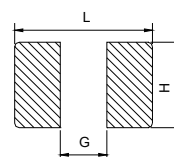
3. Dimensions



Size	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	C'(mm)	D(mm)
PASU4420V	4.75±0.30	4.40±0.20	2.25±0.30	2.00±0.20	1.80±0.30	1.80±0.20	0.80 ref.

Units : mm

Recommend PC Board Pattern



L(mm)	G(mm)	H(mm)
4.8	3.2	2.3

4. Part Numbering

PASU	4420	V	-	252	M	-	F10
A	B	C		D	E		F

A: Series	
B: Dimension	L x H
C: Category Code	V=Vehicle
D: Inductance	252=2500 uH
E: Inductance Tolerance	K=±10% M=±20%
F: Test Frequency	10 kHz

5. Specification

Part Number	Inductance (uH)	Tolerance	f _{L0} (kHz)	SRF (MHz)Typ.	RDC (Ω)Max.	Rated current (mA) max.
PASU4420V-252□-F10	2500	K,M	10	1.0	82	40
PASU4420V-352□-F10	3500	K,M	10	1.0	85	20