

Specification for Approval

Date: 2017/03/23

Customer : 深圳台慶

TAI-TECH P/N: PAS3225V-102J

CUSTOMER P/N:

DESCRIPTION:

QUANTITY: _____ pcs

REMARK:		
Customer Approval Feedback		

西北臺慶科技股份有限公司
TAI-TECH Advanced Electronics Co., Ltd

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Winding Type Chip Inductor

PAS3225V-102J

ECN HISTORY LIST

REV	DATE	DESCRIPTION	APPROVED	CHECKED	DRAWN
1.0	17/03/23	新發行	楊祥忠	徐鋒強	張展耀
備 註					

Winding Type Chip Inductor

PAS3225V-102J

1. Features

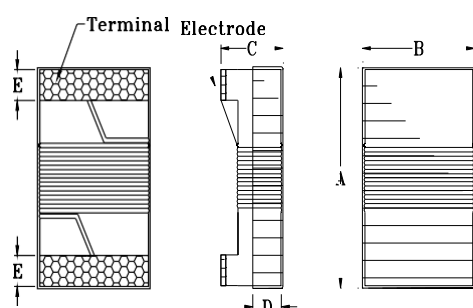
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. PAS3225V-series realizes small size and low profile. 3.6x2.8x2.6mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3/T4 FCC requirements(HAC) . ANSI C63.19
5. High reliability -Reliability test meet AEC-Q200



2. Applications

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

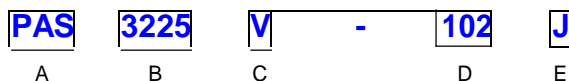
3. Dimension



Size	A	B	C	D	E
PAS	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.1

Unit:mm

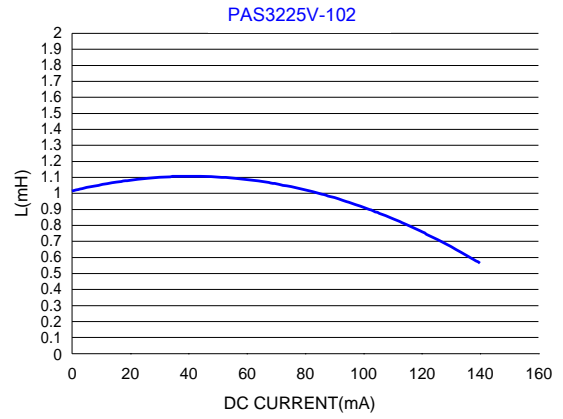
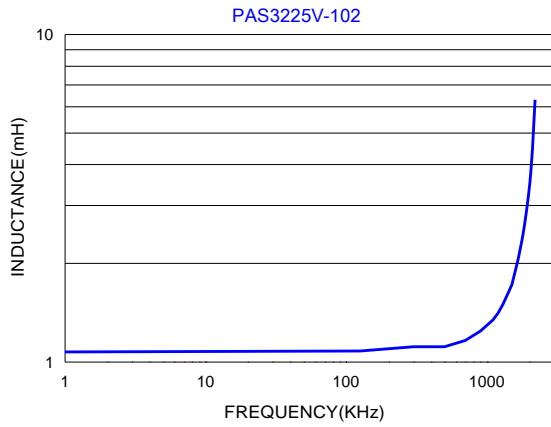
3. Part Numbering



- A: Series
 B: Dimension L x W
 C: Lead free
 D: Inductance 102=1080uH
 E: Inductance Tolerance J =±5%

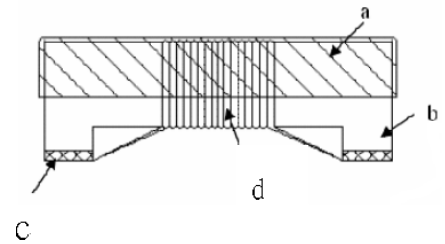
4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (KHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
PAS3225V-102J	1080	J	0.1V/125K	15	125K	50	35	1.5



5. Materials

No.	Description	Specification
a.	Upper Plate	UV Glue
b.	Core	Ferrite Core
c.	Termination	Tin Pb Free
d.	Wire	Enameled Copper Wire



6. Reliability and Test Condition

Item	Performance	Test Condition
Operating temperature	-55~+125°C (Including self - temperature rise)	
Storage temperature and Humidity range	-55+125°C (on board)	
Electrical Performance Test		
Inductance L	Refer to standard electrical characteristic list	Agilent-4291, Agilent-4287
Q		Agilent-4192, Agilent-4285
SRF		Agilent-4291
DC Resistance		Agilent-4338
Reliability Test		
High Temperature Exposure(Storage)	Appearance : No damage. Inductance : within±10% of initial value Q : Shall not exceed the specification value. RDC : within ±15% of initial value and shall not exceed the specification value	Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Temperature : 125±2°C Duration : 1000hrs Min. Measured at room temperature after placing for 24±2 hrs
Temperature Cycling		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Condition for 1 cycle Step1 : -55±2°C 30min Min. Step2 : 125±2°C transition time 1min MAX. Step3 : 125±2°C 30min Min. Step4 : Low temp. transition time 1min MAX. Number of cycles : 1000 Measured at room temperature after placing for 24±2 hrs
Moisture Resistance		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles 1. Baked at50°C for 25hrs, measured at room temperature after placing for 4 hrs. 2. Raise temperature to 65±2°C 90-100%RH in 2.5hrs, and keep 3 hours, cool down to 25°C in 2.5hrs. 3. Raise temperature to 65±2°C 90-100%RH in 2.5hrs, and keep 3 hours, cool down to 25°C in 2.5hrs,keep at 25°C for 2 hrs then keep at -10°C for 3 hrs 4. Keep at 25°C 80-100%RH for 15min and vibrate at the frequency of 10 to 55 Hz to 10 Hz, measure at room temperature after placing for 1~2 hrs.
Biased Humidity (AEC-Q200)		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Humidity : 85±3%R.H, Temperature : 85°C±2°C Duration : 1000hrs Min with 100% rated current. Measured at room temperature after placing for24±2 hrs
High Temperature Operational Life (AEC-Q200)		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Temperature : 125±2°C Duration : 1000hrs Min. with 100% rated current. Measured at room temperature after placing for24±2 hrs
Vibration		Oscillation Frequency: 10 ~ 2K ~ 10Hz for 20 minute Equipment : Vibration checker Total Amplitude:1.52mm±10% Testing Time : 12 hours(20 minutes, 12 cycles each of 3 orientations)

单击下面可查看定价，库存，交付和生命周期等信息

[>>TAI-TECH\(台庆\)](#)