# Winding Type Chip Inductor

PAS3225F-SERIES

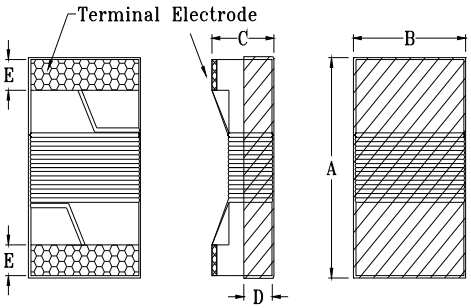
## 1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
6. Operating temperature -40~+125℃ (Including self - temperature rise)

Halogen-free

RoHS

## 2. Dimension




| Size | A | B | C | D | E |
|---|---|---|---|---|---|
| PAS3225 | 3.60 max. | 2.80 max. | 2.60 max. | 0.80 ref. | 0.55±0.10 |

Unit:mm

## 3. Part Numbering

| PAS | 3225 | F | - | 102 | J |
|---|---|---|---|---|---|
| A | B | C | | D | E |

A: Series
B: Dimension L x W
C: Lead free
D: Inductance 102=1080uH
E: Inductance Tolerance J =±5%, K =±10%, M =±20%

## 4. Specification

| TAI-TECH Part Number | Inductance (uH) | Tolerance | Test Frequency(Hz) | Q min. | Test Frequency(KHz) | IDC(mA) max. | DCR(Ω) max. | SRF(MHz) min. |
|---|---|---|---|---|---|---|---|---|
| PAS3225F-151□ | 150 | J,K,M | 0.1V/125K | 15 | 125K | 200 | 6.55 | 4.0 |
| PAS3225F-201□ | 200 | J,K,M | 0.1V/125K | 15 | 125K | 180 | 8.23 | 3.5 |
| PAS3225F-301□ | 300 | J,K,M | 0.1V/125K | 15 | 125K | 170 | 9.35 | 3.0 |
| PAS3225F-351□ | 350 | J,K,M | 0.1V/125K | 15 | 125K | 150 | 10.13 | 2.8 |
| PAS3225F-551□ | 550 | J,K,M | 0.1V/125K | 15 | 125K | 100 | 15.00 | 2.5 |
| PAS3225F-681□ | 680 | J,K,M | 0.1V/125K | 15 | 125K | 100 | 22.00 | 2.5 |
| PAS3225F-801□ | 800 | J,K,M | 0.1V/125K | 15 | 125K | 100 | 33.00 | 2.5 |
| PAS3225F-102□ | 1080 | J,K,M | 0.1V/125K | 15 | 125K | 50 | 35.00 | 1.5 |
| PAS3225F-132□ | 1340 | J,K,M | 0.1V/125K | 15 | 125K | 50 | 42.00 | 1.5 |

## 5. Recommended PC Board Pattern

| Chip size | | | | | | | Land Patterns For Reflow Soldering | | |
|---|---|---|---|---|---|---|---|---|---|
| Series | Type | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | L(mm) | G(mm) | H(mm) |
| PAS | 3225 | 3.60max | 2.80max | 2.60max | 0.80 ref. | 0.55±0.1 | 3.82 | 1.78 | 2.80 |