



Mechanical structure

- 1 Material plastic: PA46 (UL94V-0)
- 2 Contacts: Phosphor bronze Tinning
- 3 Contact resistance: $\leq 20\text{m}\Omega$
- 4 Insulation resistance: $\geq 100\text{M}\Omega$
- 5 Rated voltage: 50V, AC DC
- 6 Rated current: 0.5A AC, DC
- 7 Contact resisting: 500V AC/minute
- 8 Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 9 Solderability test: Area of Soldering $\geq 95\%$
Temperature $260^{+5}_0^{\circ}\text{C}$, Time $2.5 \pm 0.5\text{S}$
- 10 Six such as lead and cadmium content of harmful substances to comply with the requirements of environmental protection

SUGGESTED PCB LAYOUT
(COMPONENT SIDE)

| TYPE-Poles | Dimensions (mm) | |
|---------------|-----------------|-------|
| | A | B |
| A1251AWR-2PS | 1.25 | 7.30 |
| A1251AWR-3PS | 2.50 | 8.55 |
| A1251AWR-4PS | 3.75 | 9.80 |
| A1251AWR-5PS | 5.00 | 11.05 |
| A1251AWR-6PS | 6.25 | 12.30 |
| A1251AWR-7PS | 7.50 | 13.55 |
| A1251AWR-8PS | 8.75 | 14.80 |
| A1251AWR-9PS | 10.00 | 16.05 |
| A1251AWR-10PS | 11.25 | 17.30 |
| A1251AWR-11PS | 12.50 | 18.55 |
| A1251AWR-12PS | 13.75 | 19.80 |
| A1251AWR-13PS | 15.00 | 21.05 |
| A1251AWR-14PS | 16.25 | 22.30 |
| A1251AWR-15PS | 17.50 | 23.55 |
| A1251AWR-16PS | 18.75 | 24.80 |

| | | | | | |
|-----|-------------|------------|------------|-------------------|-----------------------|
| | | | | TOLERANCE | SCALE: |
| | | | | *, * ± 0.25 | UNIT: mm |
| | | | | *, ** ± 0.15 | VIEW: |
| | | | | *, *** ± 0.05 | |
| | | | | DRAW | Ye Weidan 07.12.29 |
| | | | | CHECK | Zhangbi 07.12.29 |
| A | NEW RELEASE | ZHANGBI | 2007.12.11 | APPRO | Shao jinbiao 07.12.29 |
| REV | DESCRIPTION | REV. DRAWN | DATE | | |

| | |
|------------------------------------|------------------|
| TITLE: | PART NO: |
| 1.25mm PITCH 90° WAFER SMT TYEP | 201-100-A1251AWR |
| Freltec GmbH | |