



Manufacturing Standard: China Military Standard GJB923A-2004 and Screened per MIL-PRF-38354



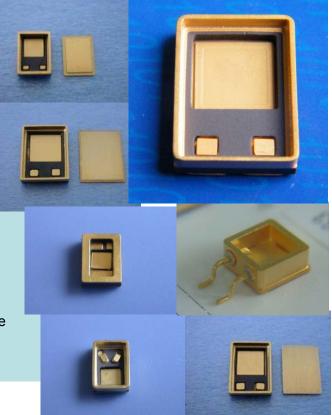
POWER PACKAGE: SMD Package

General Information:

- 1: Raw Material: OHFC, Tungsten Copper, Molybdenum, Al2O3 Ceramic
- 2: High Reliability, used at high temperature of 450 $^\circ\!\mathrm{C}$
- 3: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µm Gold: ≥1.27µm
- 3. LEAD Resistance: ≤4mΩ
- 4. Isolation Resistance: $\ge 10^9 \Omega$
- 5. Temp Cycle: -65-+175 $^\circ\!\!\mathbb{C}$ 500 times.
- 6. Thermal Shock: -65 \sim 150 $^{\circ}$ C 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle
- 8. Mechanical Environment Test per China Military Standard GJB923A: Mechanical shock: 1500g Sweep vibration: 20g Constant acceleration: 20000g





POWER PACKAGE: TO25X Package

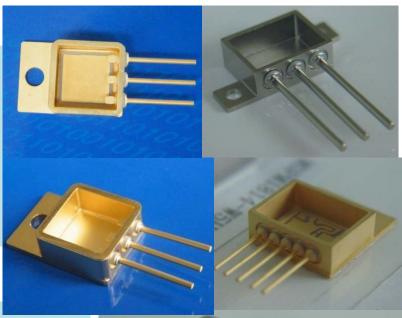
General Information:

1: Raw Material: OFHC, Tungsten Copper, Molybdenum, GLIDCOP

- Pin Material: Copper Cored Alloy52/Kovar, OFHC, ZrCu
- 2: BeO substrate Configuration: W85Cu15+BeO; W85Cu15+BeO+Mo. OHFC+Mo+BeO+Mo.
- 3: High Reliability, used at high temperature of 450°C
- 4: Special Seal techniques, pin can be sent within 45 degree and go back to its original position without causing any reliability issue.
- 5: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µm Gold: ≥1.27µm
- LEAD Resistance: ≤6mΩ
 Isolation Resistance: ≥10⁹Ω
- 5. Temp Cycle: -65-+175°C 500 times.
- 6. Thermal Shock: -65~150°C 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle
- 8. Mechanical Environment Test per China Military Standard GJB923A: Mechanical shock: 1500g Sweep vibration: 20g Constant acceleration: 20000g







POWER PACKAGE: Hybrid Package

General Information:

1: Raw Material: OFHC, Tungsten Copper, Molybdenum, GLIDCOP

- Pin Material: Copper Cored Alloy52/Kovar, OFHC, ZrCu
- 2: BeO substrate Configuration: W85Cu15+BeO; W85Cu15+BeO+Mo. OHFC+Mo+BeO+Mo.
- 3: High Reliability, used at high temperature of 450 $^\circ\!\!\mathbb{C}$
- 4: Special Seal techniques, pin can be sent within 45 degree and go back to its original position without causing any reliability issue.
- 5: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µm Gold: ≥1.27µm
- 3. LEAD Resistance: ≤0.3mΩ-2mΩ
- 4. Isolation Resistance: ≥10[°]Ω
- 5. Temp Cycle: -65-+175 $^\circ\!\mathrm{C}$ 500 times.
- 6. Thermal Shock: -65 ${\sim}150\,^\circ\!\!\mathbb{C}$ 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle
- 8. Mechanical Environment Test per China Military Standard GJB923A: Mechanical shock: 1500g Sweep vibration: 20g Constant acceleration: 20000g







Thick Film Hybrid Circuit & Relay Package

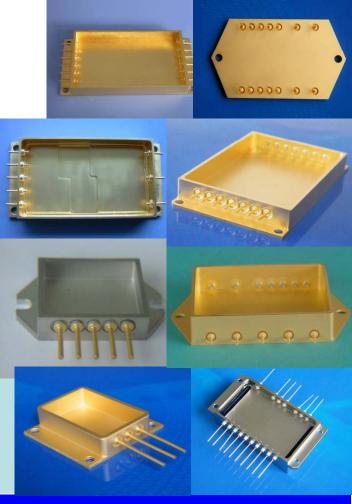
General Information:

1: Raw Material: OFHC, Tungsten Copper, Molybdenum, GLIDCOP

- Pin Material: Copper Cored Alloy52/Kovar, OFHC, ZrCu
- 2: BeO substrate Configuration: W85Cu15+BeO; W85Cu15+BeO+Mo. OHFC+Mo+BeO+Mo.
- 3: High Reliability, used at high temperature of 450 $^\circ\!\!\mathbb{C}$
- 4: Special Seal techniques, pin can be sent within 45 degree and go back to its original position without causing any reliability issue.
- 5: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9 μ m Gold: \geq 1.27 μ m
- 3. LEAD Resistance: ≤1 mΩ~6mΩ
- 4. Isolation Resistance: $\geq 10^9 \Omega$
- 5. Temp Cycle: -65-+175 $^\circ\!\!\mathbb{C}$ 500 times.
- 6. Thermal Shock: -65 ${\sim}150\,^\circ\!\mathrm{C}$ 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle
- 8. Mechanical Environment Test per China Military Standard GJB923A: Mechanical shock: 1500g Sweep vibration: 20g Constant acceleration: 20000g





Tranditional Transistor Outline Package

General Information:

- 1: Raw Material: OFHC, Molybdenum, Al2O3 Ceramic, Kovar
- Pin Material: Copper Cored Alloy52/Kovar, OFHC, ZrCu
- 2. BeO substrate Configuration: W85Cu15+BeO; W85Cu15+BeO+Mo, OHFC
- 3: High Reliability, used at high temperature of 450°C
- 4: Special Seal techniques, pin can be sent within 45 degree and go back to its original position without causing any reliability issue.
- 5: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µm Gold: ≥1.27µm
- LEAD Resistance: ≤6mΩ
 Isolation Resistance: ≥10⁹Ω
- 5. Temp Cycle: -65-+175°C 500 times.
- 6. Thermal Shock: -65~150°C 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle
- 8. Mechanical Environment Test per China Military Standard GJB923A: Mechanical shock: 1500g Sweep vibration: 20g Constant acceleration: 20000g





CERAMIC SEAL STUD PACKAGE

General Information:

- 1: Raw Material: OFHC, Molybdenum, Al2O3 Ceramic, Kovar Pin Material: Copper Cored Alloy52/Kovar, OFHC, ZrCu 2: High Reliability, used at high temperature of 450°C
- 3: Manufacturing Standard: China Military Standard GJB923A-2004 and Screened per MIL-PRF-38354

- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µm Gold: ≥1.27µm
- LEAD Resistance: ≤6mΩ
 Isolation Resistance: ≥10⁹Ω
- 5. Temp Cycle: -65-+175℃ 500 times.
- 6. Thermal Shock: -65~150°C 15times
- 7. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle





HOCKEY PUK PACKAGE

General Information:

- 1: Package mainly used in Triode, Diode, SCR.
- 2: Manufacturing Standard: China Military Standard GJB923A-2004

and Screened per MIL-PRF-38354



- 1. Hermeticity: ≤1X10-8 ATM(He) cc/Sec
- 2. Final Finish: Electrolytic Nickel 1.89-8.9µ 3. Isolation Resistance: ≥10 9 Ω
- 4. Temp Cycle: -65-+175℃ 500 times.
- 5. Thermal Shock: -65~150°C 15times
- 6. Moisture Proof Test: Comply with China Military Standard GJB548A 10 times Cycle

