



TESTING SUMMARY

JUNIPER MESA PRO (AS7.J001.100)

Test Description	Test Parameters
Vibration: Operational	MIL-STD-810H, Method 514.8, Procedure 1, Category 4. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> • Unit is unlocked
Vibration: Non-Operational	MIL-STD-810H, Method 514.8, Category 24. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). <ul style="list-style-type: none"> • Unit is unlocked
Mechanical Shock Safety: Non-Operational	MIL-STD-810H, Method 516.8, Procedure IV. <ul style="list-style-type: none"> • 40G, 11ms half sine • Unit is unlocked
Cycle Test: Non-Operational	30,000 cycles of the latching and locking mechanisms
Shock – Crash Hazard: Non-Operational	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> • Unit is unlocked. • Unit is tested in front to back and side to side orientations
Electrostatic Discharge: Operational	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge
EMC Testing	<ul style="list-style-type: none"> • FCC Part 15, Subpart B • ICES-003 Issue 6 • CISPR 32/EN 55032:2012/AC:2013 • EN 50498:2010
Low Temperature: Operational	MIL-STD 810H, Method 502.5, Procedure II <ul style="list-style-type: none"> • -30°C Operation, 24-hours
Low Temperature: Storage	MIL-STD 810G, Method 502.6, Procedure I <ul style="list-style-type: none"> • -40°C Non-Operational, 72 hours
High Temperature: Operational	MIL-STD 810H, Method 501.5, Procedure II, Table 501.5-II, Induced. Conditions <ul style="list-style-type: none"> • Five 24-hour cycles, temperature varied from 30°C to 63°C to 30°C
High Temperature: Storage	MIL-STD 810H, Method 501.5, Procedure I, Table 501.6-III, Induced. Conditions <ul style="list-style-type: none"> • 78°C Non-Operational, 72 hours
Thermal Shock	MIL-STD 810H, Method 503.5, Procedure I-C <ul style="list-style-type: none"> • Fifty cycles from 78°C to -40°C to 85°C; Dwell Time of 2 hours at each temp.
RoHS Compliance	EN IEC 63000:2018, RoHS3 Directive 2015/863

CE FC



Name: Ramin Hooshang, P.Eng. APEGA 207817

Title: Design Engineer, Precision Mounting Technologies

Date: 2023-08-30

www.precisionmounts.com

call us at 1-888-869-7652 | info@precisionmounts.com