Mini-CATAPAN Frame MSP139

19"/2 Mini-CATAPAN Frame

The 19"/2 Mini-CATAPAN AC-DC Frame makes it easy to mount the Mini-CATAPAN unit in a 19"/2 environment. It is also easy to remove the unit from the 19"/2 stack. All anti tamper labels are easily accessable for inspection.

Built to take a beating

The Frame is made to withstand the harshest conditions over the long haul. It features aluminum casing and will operate down to -40 °C.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

Features

- Mount one L3Harris Mini-CATAPAN
- 19"/2 frame
- Cutouts for all anti tamper labels
- Passively cooled

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Connector Interfaces

AC IN (back)	• 1x Power
DC OUT (front)	• 1x DC

Other Interfaces

2x Fuse Holder (back)

1x L3Harris Mini-CATAPAN Docking (front)

Technical Specification

Mini-CATAPAN Docking	Mount one L3Harris Mini-CATAPAN in a 19"/2 frame. Cutouts for all anti tamper labels
Power consumption	20W
Power input	85-264 VAC, 47-63Hz
Coating and color	Dupont AE0305-4900520 (RAL9005)
Cooling	Passively cooled
Earth point	M6 12mm
Surface treatment chassis	Chromit-Al
Weight	3.5 kg (7.8 lbs)

Environmental Specification

Functional shock - Operating	MIL-STD-810G. Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment 40g 11 ms
High temperature - Operating	MIL-STD-810G, Method 501.5, Procedure II - Operation 55 °C (131 °F)
High temperature - Storage	MIL-STD-810G, Method 501.5, Procedure I - Storage 71 °C (160 °F)
Humidity	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ±4% RH Ten 24-hour cycles
IP Class (Solid Particle Protection)	IP Class 6X
IP Class (Water)	IP Class X5
Low air pressure - Rapid decompression	MIL-STD-810G, Method 500.5, Procedure III - Rapid decompression 75.2kPa, corresponding to 2438m (8.000 ft) 17kPa, corresponding to 12192m (40.000 ft)
Low air pressure - Operating	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4572m (15.000 ft)
Low temperature - Operating	MIL-STD-810G, method 502.5, Procedure II - Operation -25 °C (-4 °F)
Low temperature - Storage	MIL-STD-810G, method 502.5, Procedure I - Storage -25 °C (-4 °F)
Noise level	Maximum noise level of 40dB SPL A-weighting at 1m (3.3 ft) distance
Salt fog	MIL-STD-810G Method: 509.5 5% +- 1% (by weight) Two cycles, 24h wet + 24h dry /cycle
Temperature Shock - Operating	The unit shall pass MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature. 55 °C (131 °F) -20 °C (-4 °F)
Transit drop, in shipping package	MIL-STD-810G, method 516.6, Procedure IV - Transit Drop. Table 516.6-VI, Transit drop test, < 45.4 kg (100 lbs), < 91 cm (36 inch), Manpacked or man-portable

EMC Specification

CE EMI	EN61000-6-3:2007
CE EMS	EN55032:2015
EMI conducted CE101	MIL-STD-461F Method: CE101
EMI conducted CE102	MIL-STD-461F, Method CE102 BASIC CURVE 220VAC 10kHz to 10MHz
EMI radiated RE102	MIL-STD-461F 2MHz – 18Ghz Nave Surface Ship
EMS conducted CS101	MIL-STD-461F, Method CS101, conducted suceptibility, power leads. CURVE #1 30Hz to 150kHz
EMS conducted CS114	MIL-STD-461F Army, Ground 10kHz - 200MHz
EMS conducted CS115	MIL-STD-461F Conducted susceptibility, bulk cable injection, impulse excitation
EMS conducted CS116	MIL-STD-461F 10kHz - 100MHz
EMS radiated RS103	MIL-STD-461F Army 2MHz - 1GHz
ESD	EN61000-4-2:2009 Level 3 EN55024:1998 Performance criteria B + A1:2001 + A2:2003