

MECHANICAL FORMAT	CONDUCTION-COOLED ¹		
Ruggedization Level	Series-100 Lab Grade EDU	Series-200 Qual Unit	Series-500 Radiation Tolerant Flight Unit
Temperature (°C)			
Storage	-40°C to +85°C	-50°C to +100°C	-62°C to +125°C
Operating	0°C to +55°C ²	-40°C to +71°C ²	-40°C to +65°C ² (space vacuum)
Vibration (all axes)			
Random (g ² /Hz)	20-2000 Hz 0.02 g ² /Hz	20-2000 Hz 0.1 g ² /Hz	20-2000 Hz 0.1 g ² /Hz
Sine (g Peak)	10-100 Hz /2 g	50-500 Hz /10 g	50-500 Hz /10 g
Shock (all axes)			
Half Sine/Sawtooth	20 g / 6 mS	40 g / 11 mS 100 g / 6 mS	40 g / 11 mS 100 g / 6 mS (pyro-shock-875 g)
Altitude (ft)			
Operating Max	15,000	70,000	10 ⁻⁴ Torr
Relative Humidity			
Operating (non-condensing)	0-90%	0-100%	0-100% ³
Conformal Coating			
Acrylic	Optional	Standard	See Note 4
Silicone	Optional	Optional	

1 Conduction-cooled per ANSI/VITA 30.1 3U Eurocard mechanical form-factor, conduction-cooled PMC/XMCs: per ANSI/VITA 20-2001 (R2005).

2 Operating card edge temperatures at module thermal management interface.

3 With optional silicone conformal coating (100% non-condensing with acrylic type of conformal coating).

4 Urethane conformal coating is applied.