



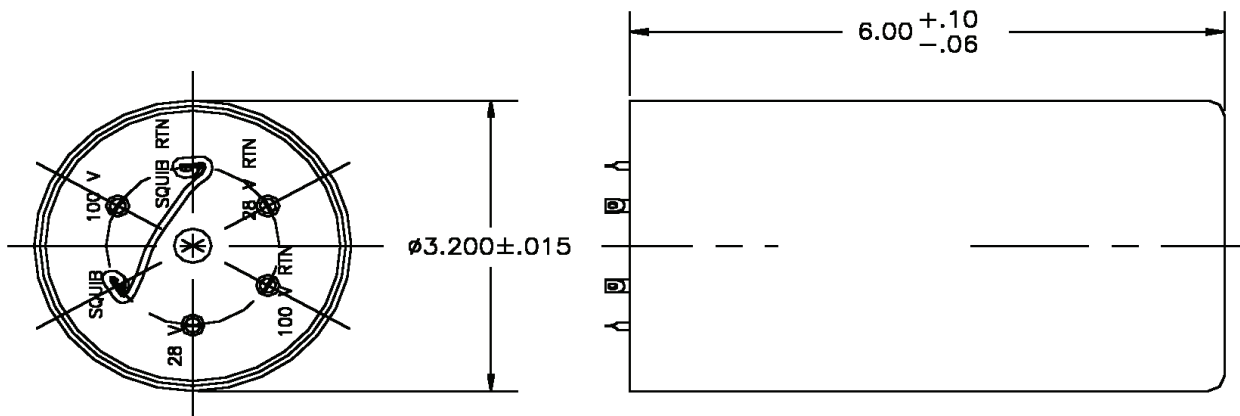
EAP-12241 Thermal Battery



Thermal battery: lithium silicon/iron disulfide (LiSi/FeS₂)

Specifications

Part Number	EAP-12214
Weight	2.19 kg (4.83 lbs)
Nominal Volume	48.25 in ³
Dimensions	Width: 81 mm (3.2 in)
	Length: 152 mm (6.0 in)
Case and Header Material	Type 304 stainless steel
Terminal Material	52 iron nickel alloy (Fe/Ni) hot soldered
Voltage Range	35 VDC max, 24 VDC min (28 V section)
	120 VDC max, 85 VDC min (100 V section)
Load	100 V section (12 A 100 ms pulse at 1.5 sec, 20 A 100 ms pulse at 17 sec, drops to 12 A to 19 sec, drops to 4 A to 25 sec, then slopes up from 1 to 2.5 A between 25-120 sec, 1.5 A between 120-175 sec, 3.2 A between 175-192 sec, 12 A 2 sec pulse at 192 sec)
	28 V section has a constant 4.5 A load
Rise Time	0.75 sec
Life	194 sec
Activation	EP-250-14
Activation Indicator	Temperature decal
Operating Temperature	-54 to 74°C (-65 to 165°F)
Vibration	12.9 Grms for 1 hour
	3.3 Grms for 17 min
	7.43 Gms for 1 hour
Shock	40 g peak at 30-500 Hz



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TYPICAL PERFORMANCE: RISE TIME: (COLD: .450 SEC. TO 24/92 Vdc; HOT: .290 SEC. TO 24/92 Vdc)

