

Flux Capacitor Technical Reference Manual

Document ID: FC-TRM-1.21GW-1985

Revision: 2.3

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Confidentiality Level: Experimental Prototype

Abstract: This document provides a comprehensive technical specification for the Flux Capacitor temporal displacement core module. The system enables controlled time displacement when supplied with 1.21 gigawatts of electrical power and synchronized with a vehicular temporal velocity threshold of 88 mph.

1. System Overview

The Flux Capacitor is a tri-phase temporal field generator responsible for initiating spacetime displacement events. The device consists of three symmetrically arranged flux conduits converging at a central chroniton modulation chamber.

Parameter	Value	Unit
Nominal Input Power	1.21	Gigawatts
Minimum Velocity Threshold	88	mph
Temporal Displacement Accuracy	±0.0001	years
Chroniton Flux Density	3.6e12	particles/cm ³
Core Operating Temperature	1,400	Kelvin
Cooling Medium	Liquid Nitrogen	-

2. Electrical Characteristics

The Flux Capacitor requires a high-density pulsed power input. Energy delivery must occur within a 2.3 millisecond window to properly charge the temporal field coils.

Specification	Minimum	Typical	Maximum	Unit
Input Voltage	2.1e6	2.3e6	2.5e6	Volts
Input Current	480	526	610	Amps
Pulse Duration	1.8	2.3	2.8	ms
Coil Resistance	0.0042	0.0045	0.0049	Ohms
Power Factor	0.93	0.97	1.00	-

3. Mechanical & Thermal Properties

The housing assembly is constructed from reinforced titanium alloy with a borosilicate containment chamber. Thermal stabilization is achieved via closed-loop cryogenic circulation.

Property	Value	Unit
Overall Dimensions	450 x 320 x 150	mm
Mass	15.4	kg
Housing Material	Ti-6Al-4V	-
Max Thermal Load	3.4e6	Joules
Cooling Flow Rate	12	L/min
Vibration Tolerance	5.2	g RMS

WARNING: Improper synchronization of temporal velocity threshold and power injection timing may result in localized spacetime shear events, temporal paradox generation, or total vehicular disintegration.