

SPACECRAFT SYSTEMS

XY28F256KV (5V) 32K×8bit Anti-Radiation PROM

The XY28F256KV is a programmable read-only memory (PROM) device fabricated using 0.13 μm CMOS technology. It features high performance, strong radiation resistance, and low power consumption. The chip includes four sets of redundant storage modules and supports both manual and automatic programming through a dedicated programmer. It is widely applicable in aerospace electronics and control systems.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Process Technology	0.13 μm
Dimensions (mm)	17.8 × 12.5 × 2.5
Weight (g)	2.1
Operating Temperature (°C)	-55 to +125
Storage Temperature (°C)	-65 to +150
Package Type	CFP28
Quality Grade	CAST C

Quick Overview

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Key Features

- Programmable, read-only, and asynchronous operation.
- 32K×8bit capacity for flexible data storage.
- Strong radiation resistance suitable for aerospace environments.
- Fully independent and controllable design.

Applications

- Used in aerospace embedded electronic systems, first flight in 2017.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)