

SPACECRAFT SYSTEMS

XY28F256KLV (3.3V) 32K×8bit Anti-Radiation PROM

The XY28F256KLV is a programmable read-only memory (PROM) chip manufactured using 0.13 μm CMOS technology. It offers high performance, excellent radiation resistance, and low power consumption. The device integrates four sets of redundant storage modules and supports both manual and automatic programming through a dedicated programmer. It is suitable for aerospace electronic and control system applications.

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

The XY28F256KLV is a programmable read-only memory (PROM) chip manufactured using 0.13 μm CMOS technology. It offers high performance, excellent radiation resistance, and low power consumption. The device integrates four sets of redundant storage modules and supports both manual and automatic programming through a dedicated programmer. It is suitable for aerospace electronic and control system applications.

Key Specifications

Parameter	Value
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

Key Features

- Programmable, read-only, and asynchronous operation.
- 32K×8bit memory capacity.
- Strong radiation resistance for aerospace environments.
- Fully independent and controllable technology.

Applications

- Used in aerospace embedded electronic systems, first flight in 2019.

Documentation & Resources

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