

SPACECRAFT SYSTEMS

XY6664RH Radiation-Resistant 8K×8bit PROM

The XY6664RH is a programmable read-only memory (PROM) chip developed with 0.18 μm CMOS technology. It offers high performance, radiation resistance, and low power consumption. The device is equipped with a dedicated programmer supporting both manual and automatic programming. It is suitable for aerospace electronics and control applications.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Process Technology	0.18 μm
Dimensions (mm)	35.5 × 15.5 × 3
Weight (g)	4.7
Operating Temperature (°C)	-55 to +125
Storage Temperature (°C)	-65 to +150
Package Type	CDIP28
Quality Grade	CAST C

Quick Overview

The XY6664RH is a programmable read-only memory (PROM) chip developed with 0.18 μm CMOS technology. It offers high performance, radiation resistance, and low power consumption. The device is equipped with a dedicated programmer supporting both manual and automatic programming. It is suitable for aerospace electronics and control applications.

Key Specifications

Parameter	Value
Process Technology	0.18 μm
Dimensions (mm)	35.5 × 15.5 × 3
Weight (g)	4.7
Operating Temperature (°C)	-55 to +125
Storage Temperature (°C)	-65 to +150
Package Type	CDIP28
Quality Grade	CAST C

Key Features

- Programmable and read-only operation.
- 8K×8bit storage capacity.
- Strong radiation resistance.
- Fully independent and controllable design.

Applications

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

Documentation & Resources

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