

Móra Space Module

Features

- - 40 to 85 °C temperature range
(Guaranteed by design but not characteristic.)
- Redundant oscillator circuit
- Based on Stm32L010F4P6
- Temperature stable passive components
- Ultra wide range power supply : 2.7 - 4.5 V

Applications

- Hall effect measurement
- Temperature measurement
- ADC noise measurement
- Quotes sending

General Description

The **datasheet** document class makes it easy to write great looking data sheets using the LaTeX typesetting system. It follows the classic style used by most manufacturers of electronic components.

You can download the document class from [latex-datasheet-template](#) GitHub repository. The repository includes this example datasheet as **example.tex** and the document class as **datasheet.cls**. You can build the PDF document using command `latexmk -pdf`.

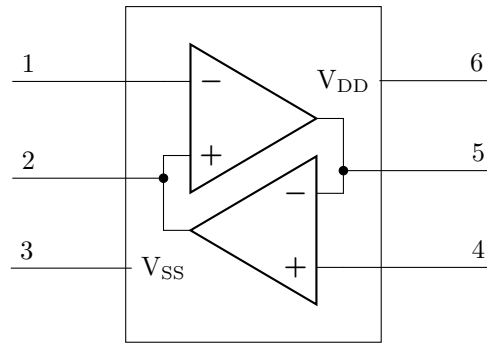


Figure 1: Pinout and internal circuit

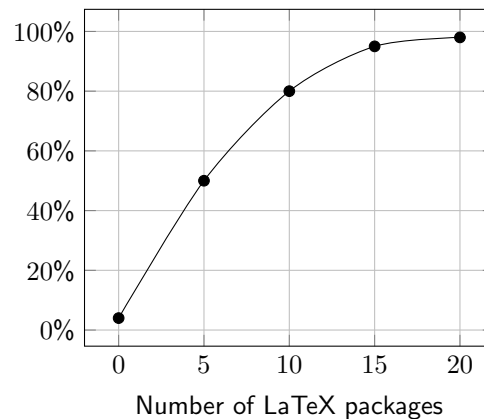


Figure 2: Typical data sheet production efficiency

Electrical Specifications

All specifications are in $-40^{\circ}\text{C} \leq T_A \leq 85^{\circ}\text{C}$ unless otherwise noted.

Table 1: Electrical characteristic specifications

Parameter	Symbol	Min.	Typ.	Max.	Unit
Current consumption	I_S	10	10	10	mA
Standby current consumption	I_B	10	10	10	mA
Additional current consumption with Oscillator on	I_O	10	10	10	mA
Additional current consumption with Hall sensor on	I_H	10	10	10	mA
Additional current consumption with Temperature sensor on	I_T	10	10	10	mA

¹ Based on characterization data, not tested in production.

Dimensions

Table 2: Board Dimensions

Parameter	Size
Side	30.0 x 30.0
Height	3.0

Dimensions are expressed in millimeters.

Note: Stresses above those listed under Absolute Maximum Ratings can cause permanent damage to the device. This is a stress rating only. Functional operation of the device is not implied in any conditions above those indicated in the Electrical Specifications section.