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## Two colums, Tables, Plots

### TECHNICAL DATASHEET TEMPLATE

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#### FEATURES

- Two columns
- Tables over the entire text width
- Look and feel like a real datasheet

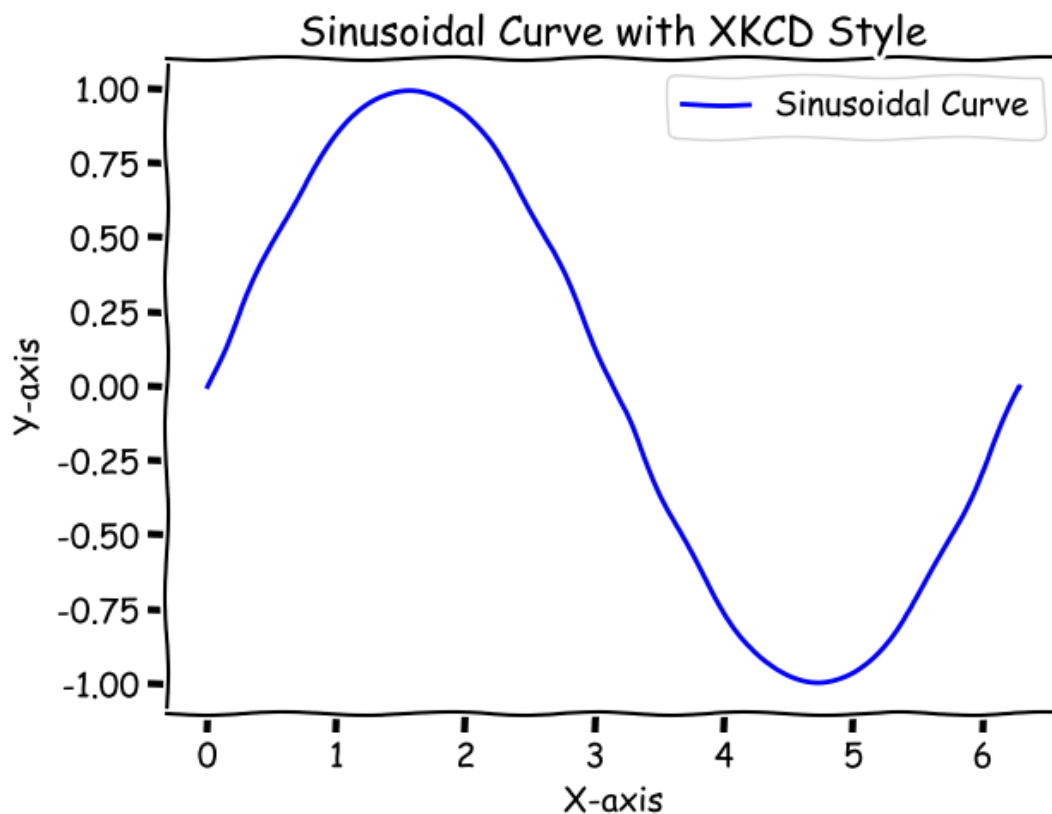
#### APPLICATIONS

- Work
- School
- Thesis

#### DESCRIPTION

This is a  $\LaTeX$  template for a datasheet. The look and feel is like a normal datasheet with the common headers. To use this datasheet, add the `datasheet.cls` file into the same folder as your main document. Then use `documentclassdatasheet` to load the class.

After that you may use the example sections or create a new datasheet.



## ABSOLUTE MAXIMUM RATINGS

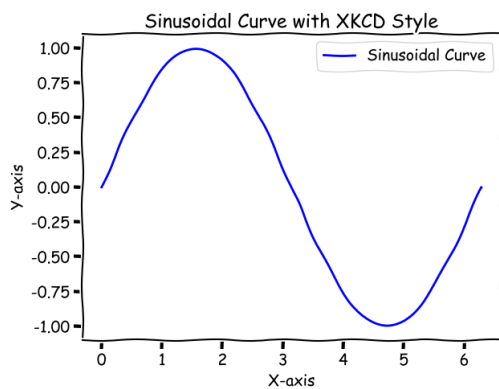
Over operating free-air temperature range (unless otherwise noted)

|            | MIN  | TYP | MAX | UNIT |
|------------|------|-----|-----|------|
| 12V Supply | -0.3 | 12  | 15  | V    |
| 3V3 Supply |      | 3.3 | 4   | V    |
| Digital IO | -0.5 |     | 6.5 | V    |
| Analog IO  | -12  |     | 12  | V    |

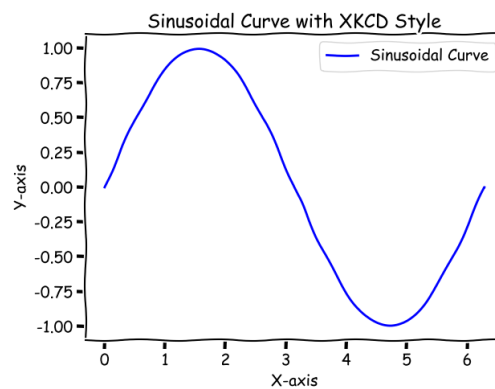
## ELECTRICAL CHARACTERISTICS

|                        | MIN  | TYP | MAX  | UNIT     |
|------------------------|------|-----|------|----------|
| 12V Supply voltage     | 11.8 | 12  | 12.2 | V        |
| 12V Supply current     | 0.5  |     |      | A        |
| 3V3 Supply voltage     | 3.1  | 3.3 | 3.5  | V        |
| 3V3 Supply current     | 1.6  |     |      | A        |
| Threshold resolution   | 16   |     |      | Bits     |
| Threshold range        | -1.5 |     | 1.5  | V        |
| Measurement channel    | -1.5 |     | 1.5  | V        |
| Input impedance        |      | 50  |      | $\Omega$ |
| Detectable pulse width | 0.5  |     |      | ns       |
| Analog bandwidth       |      |     | 5.3  | GHz      |

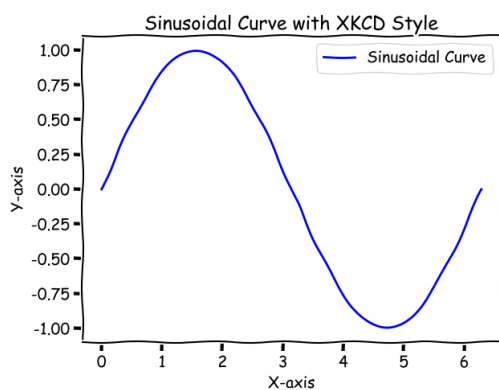
## TYPICAL CHARACTERISTICS



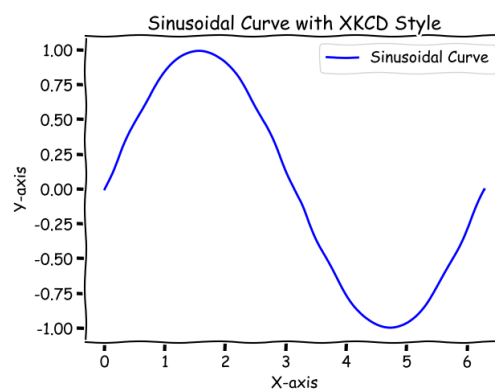
First plot



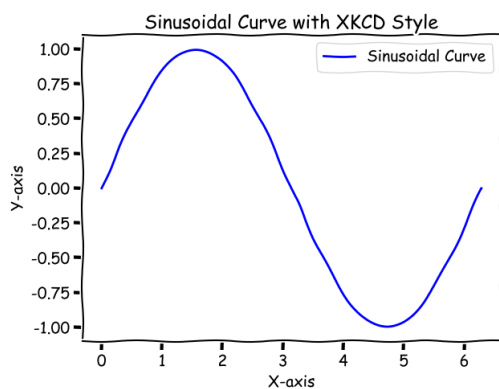
Second plot



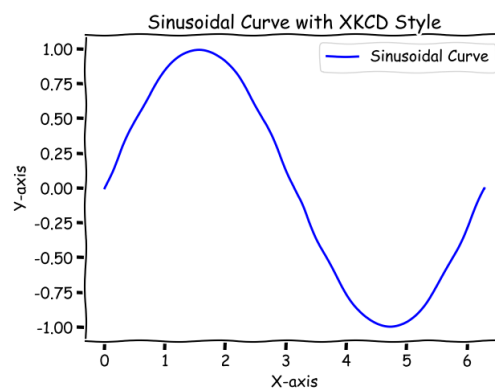
Third plot



Fourth plot



Fifth plot



Sixth plot

## **IMPRESSUM**

### **Date**

2026-10-04

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