



**SPECIFICATIONS**

**Interface Pin Function**

No.	Symbol	Function
1	GND	Ground
2	VCC	Power supply input.
3	SCL	When the I2C interface is selected, then D0 serves as the serial clock input pad (SCL) and D1 serves as the serial data input pad (SDAI).
4	SDA	

### Mechanical Data

Item	Dimension	Unit
Dot Matrix	48 x 64	Dots
Module dimension	15.9 × 27 × 2.36	mm
Active Area	10.54×14.70	mm
Pixel Size	0.198 × 0.208	mm
Pixel Pitch	0.220 × 0.230	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/64Duty	
IC	SSD1306	
Interface	I2C	
Size	0.71 inch	

### Electronical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VDD	—	2.8	3.0	3.2	V
Input High Volt.	VIH	—	0.8×VDD	—	VDDIO	V
Input Low Volt.	VIL	—	0	—	0.2×VDD	V
Output High Volt.	VOH	—	0.9×VDD	—	VDDIO	V
Output Low Volt.	VOL	—	0	—	0.1×VDD	V
50% check Board operating Current	ICC	VCC=7.5V	—	13.0	26.0	mA

**Absolute Maximum Ratings**

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VDD	0	4.0	V
Supply Voltage for Display	VCC	0	16.0	V
Operating Temperature	TOP	-40	80	°C
Storage Temperature	TSTG	-40	85	°C