



AL12832C (128 DOTS X 32 DOTS)

FEATURES

- ◆ OLED DISPLAY
- ◆ 128 x 32 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (SSD1306)
- ◆ 5.0V POWER SUPPLY
- ◆ 1/32 DUTY CYCLE
- ◆ INTERFACE SPI / I2C

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	37.0 x 12.5 x 4.7	mm
Viewing Area (W x H)	24.384 x 7.584	mm
Active Area (W x H)	22.384 x 5.584	mm
Dot Size (W x H)	0.159 x 0.159	mm
Dot Pitch (W x H)	0.175 x 0.175	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Power Supply Ground
2	V _{DD}	5.0V	Power Supply Voltage
3	/CS	L	Chip Select Signal for IC
4	/RES	L	Reset Signal
5	D/C	H/L	H : Instruction Code , L : Data Code
6	SCLK	H/L	Serial Clock Input Signal.
7	SDAN	H/L	Serial Data Input Signal.
8	NC	-	No Connection

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	0	-	7	V
Supply Voltage For OLED Drive	V _{DD} -V _o	0	-	11	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-	4.5	5	5.5	V
Supply Voltage For OLED	V _{DD} -V _o	V _{DD} =5.0V Ta=25°C	7	7.25	7.5	V
Supply Current	I _{DD}	V _{DD} =5.0V	-	13.3	18.6	mA
Input Voltage	"HIGH" Level	V _{IH}	-	0.8V _{DD}	-	V _{DD}
	"LOW" Level	V _{IL}	-	0	-	0.2V _{DD}
Output Voltage	"HIGH" Level	V _{OH}	-	0.9V _{DD}	-	V _{DD}
	"LOW" Level	V _{OL}	-	0	-	0.1V _{DD}

EXTERNAL DIMENSIONS

