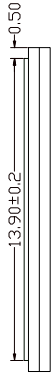
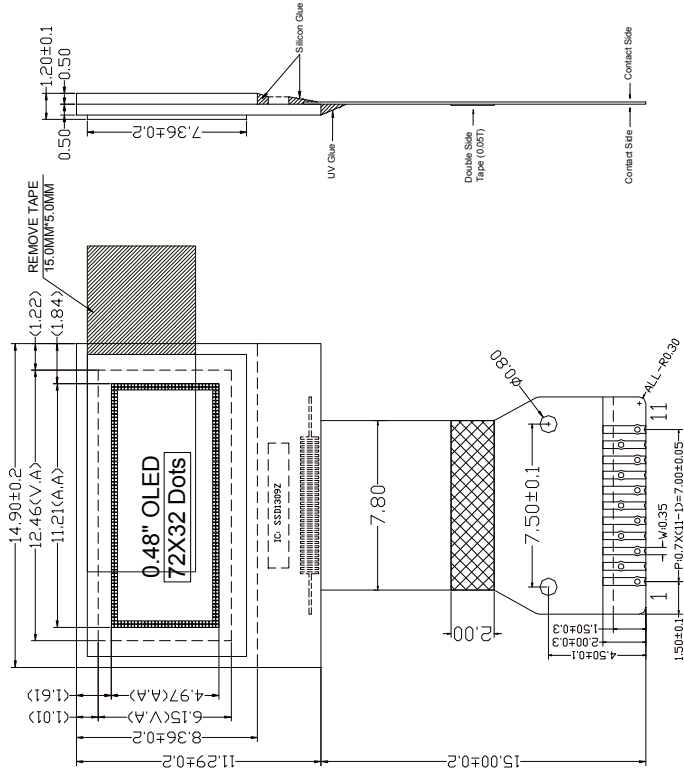


■ PHYSICAL DATA

No.	Items:	Specification:	Unit
1	Diagonal Size	0.48	Inch
2	Resolution	72(H) x 32(V)	Dots
3	Active Area	11.210 (W) x 4.970(H)	mm ²
4	Outline Dimension (Panel)	14.90 (W) x 11.29(H)	mm ²
5	Pixel Pitch	0.156 (W) x 0.156(H)	mm ²
6	Pixel Size	0.136(W) x 0.136(H)	mm ²
7	Driver IC	SSD1309Z	-
8	Display Color	White	-
9	Gray scale	1	Bit
10	Interface	4-SPI	-
11	IC package type	COG	-
12	Thickness	1.20±0.1	mm
13	Weight	TBD	g
14	Duty	1/32	-



Unless otherwise specified, $V_{SS} = 0V$, $VDD = 1.65V$ to $3.3V$. ($T_a = 25^{\circ}C$)

Items		Symbol	Min	Typ.	Max	Unit
Supply Voltage	Logic	VDD	1.65	3	3.3	V
	Driving	VCC	7.0	10.0	16.0	V
Input Voltage	High Voltage	V_{IH}	$0.8 \times VDD$	-	-	V
	Low Voltage	V_{IL}	-	-	$0.2 \times VDD$	V
Output Voltage	High Voltage	V_{OH}	$0.9 \times VDD$	-	-	V
	Low Voltage	V_{OL}	-	-	$0.1 \times VDD$	V