

# Optima

## OF019BAN

### ◎ Feature

Item	Info.
Resolution	170*320
Power supply	3.0V
Interface	3SPI+RGB
IC	ST7789V
View Direction	ALL
Touch Panel	-

### ◎ Mechanical Data (unit: mm)

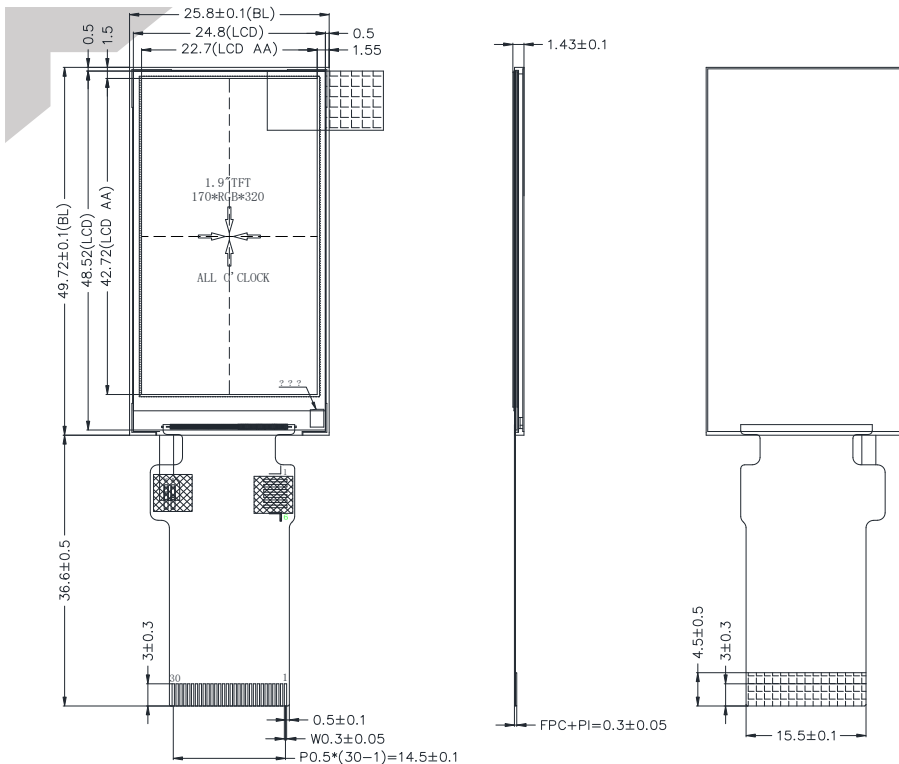
Item	Dimension
Module dimension	25.80 x 49.72
View area	24.80 x 48.52
Active area	22.70 x 42.72
Pixel size	-

### ◎ Electrical Characteristics (unit: V)

Item	Min	Typ	Max
Supply Voltage (VDD)	3.0	3.3	3.6
Voltage for Backlight	-	3.0	-

### ◎ Temperature Range (unit: °C)

Item	Min	Typ	Max
Operating Temp.	-20		70
Storage Temp.	-30		80



PIN	SYMBOL
1	GND
2	VCC
3	IM2
4	IM1
5	RESET
6	CS
7	DC(SPI_SCL)
8	WR(SPI_RS)
9	RD
10	SDA
11	DB0
12	DB1
13	DB2
14	DB3
15	DB4
16	DB5
17	DB6
18	DB7
19	SDO
20	LED_A
21	LED_K1
22	LED_K2
23	LED_K3
24	LED_K4
25	GND
26	TP_RST
27	TP_SCL
28	TP_SDA
29	TP_INT
30	GND