

Feature

1. 200x200 pixels display
2. High cntrast High reflectance
3. Ultra wide viewing angle Ultra low power consumption
Pure reflective mode Bi-stable display
4. Commercial temperature range
5. Hard-coat antiglare display surface
6. Ultra Low current deep sleep mode On chip display RAM



Mechanical Data

Item	Standard Value	Unit
Screen Size	1.5	Inch
Display Format	200.0 x 200.0	Pixel
Active Area	27.0 x 27.0	mm
Outline Dimension	31.80 x 37.32 x 1.0	mm

Pin Assignment

No.	Name	Description	No.	Name	Description
1	NC	Do not connect with other NC pins	13	SCL	Serial Clock pin (SPI)
2	GDR	N-Channel MOSFET Gate Drive Control	14	SDA	Serial Data pin (SPI)
3	RESE	Current Sense Input for the Control Loop	15	VDDIO	Power Supply for interface logic pins It should be connected with VCI
4	NC	Do not connect with other NC pins	16	VDD	Power Supply for the chip
5	VDHR	Positive Source driving voltage(Red)	17	GND	Ground
6	TSCL	I2C Interface to digital temperature sensor Clock pin	18	VDDD	Core logic power pin VDD can be regulated internally from VCI.
7	TSDA	I2C Interface to digital temperature sensor Data pin	19	VPP	FOR TEST
8	BS	Bus Interface selection pin	20	VSH	Positive Source driving voltage
9	BUSY_N	Busy state output pin	21	VGH	Power Supply pin for Positive Gate driving voltage and VSH1
10	RST_N	Reset signal input. Active Low.	22	VSL	Negative Source driving voltage
11	DC	Data /Command control pin	23	VGL	Power Supply pin for Negative Gate driving voltage VCOM and VSL
12	CSB	Chip select input pin	24	VCOM	VCOM driving voltage

Electronic Characteristics

Parameter	Symbol	Rating	Unit
Logic supply voltage	VCI	-0.3 to +6.0	V
Logic Input voltage	VIN	-0.3 to VCI +0.3	V
Operating Temp range	TOPR	0 to +40	°C.
Storage Temp range	TSTG	-25 to +70	°C.
Optimal Storage Temp	TST Go	23±2	°C.
Optimal Storage Humidity	HST Go	55±10	%RH

Dimension

