



FEATURES

- ◆ BUILT-IN CONTROLLER (ST7565 OR EQUIVALENT)
- ◆ +3.0 V POWER SUPPLY
- ◆ 1/64 DUTY CYCLE
- ◆ SERIAL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	74.8 x 54.5 x 8.0	mm
Viewing Area (W x H)	59.0 x 32.0	mm
Active Area (W x H)	55.0 x 27.49	mm
Dot Size (W x H)	0.40 x 0.40	mm
Dot Pitch (W x H)	0.43 x 0.43	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Power Supply Ground
2	VDD	3.0V	Power Supply Voltage
3	SI	H/L	Serial Data Input
4	SCL	H/L	Serial Clock Input
5	AO	H/L	Data Type Select Signal
6	/RES	L	Reset Signal
7	/CS	L	Chip Select signal for IC
8	A+	3.2V	LED Power(+)
9	K-	0V	LED Power(-)

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD-VSS}	0	-	5.0	V
Supply Voltage For LCD Drive	V _{DD-V_o}	0	-	18.0	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-VSS}	-	2.7	3.0	3.3	V
LCD Supply Voltage	V _{DD-V_o}	V _{DD} =3.0V Ta=25	8.5	9.5	10.5	V
Supply Current	I _{DD}	V _{DD} =3.0V	-	1.2	2.3	mA
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD} V
	"LOW" Level	V _{IL}	-	-	0.6	V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	V
	"LOW" Level	V _{OL}	-	-	0.4	V