

JHD12232D SERIES

CHARACTERISTICS

DISPLAY CONTENT : 122 x 32 DOTS

DRIVING MODE : 1/32D

AVAILABLE TYPES :

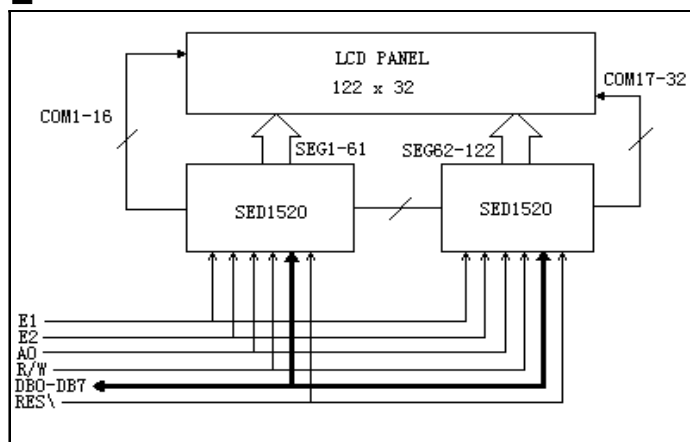
STN(YELLOW GREEN, GREY, B/W)

REFLECTIVE, WITH EL OR LED

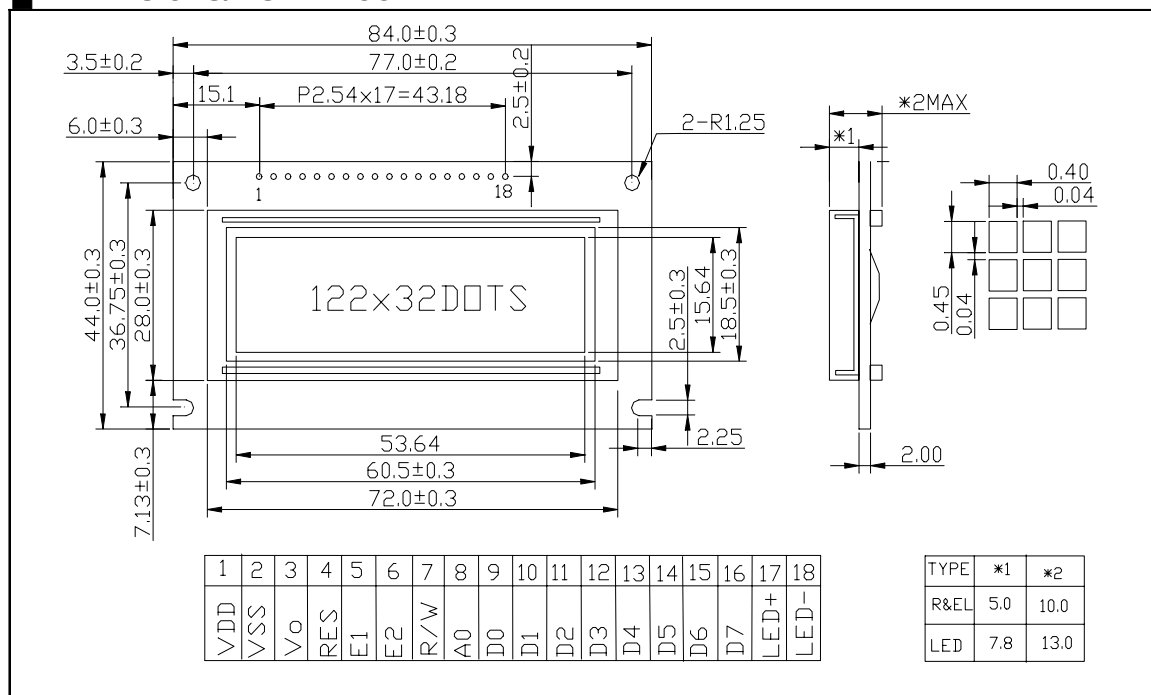
EL/100VAC , 400HZ

LED/4.2VDC

APPLICATION CIRCUIT



DIMENSIONS/DISPLAY CONTENT



LIMIT PARAMETER

PARAMETER	Symbol	Testing Criteria	Standard Values		UNIT
			MIN	MAX	
Supply Voltage	$V_{DD}-V_{SS}$	Ta=25	0	6.5	V
LCD Voltage	$V_{DD}-V_0$		0	12.0	V
Input Voltage	V_1		0	V_{DD}	V

ELECTRIC PARAMETER

PARAMETER		Symbol	Testing Criteria	Standard Values			UNIT
				MIN	Typical	MAX	
Voltage	LOGIC	$V_{DD}-V_{SS}$	-	4.75	5.0	5.25	V
	LCD	$V_{DD}-V_0$	-	4.5	5.5	6.5	V
Current	LOGIC	I_{DD}	-	-	2.5	-	mA
	LCD	I_{EE}	-	-	2.0	-	mA
LCD Drive Voltage (recommend)			0	-	6.2	-	V
			25	-	5.5	-	V
			40	-	4.8	-	V
Input Voltage	' H ' Level	V_{IH}	High	$0.7V_{DD}$	-	V_{DD}	V
	' L ' Level	V_{IL}	Low	0	-	$0.3V_{DD}$	V

PIN CONFIGURATION

PIN	SYMBOL	LEVEL	INSTRUCTION
1	VDD	5.0V	Power Supply Voltage
2	VSS	0V	Ground contact (GND)
3	V_0	LCD Drive Voltage	Adjust Contrast
4	RES	H/L	RESET SIGNAL
5	E1	H,H → L	CHIP Select Signal 1
6	E2	H,H → L	CHIP Select Signal 2
7	R/W	H/L	H:READ ; L:WRITE
8	A0	H/L	H:DATA ; L:COMMAND
9	D0	H/L	DATA 0
10	D1	H/L	DATA 1
11	D2	H/L	DATA 2
12	D3	H/L	DATA 3
13	D4	H/L	DATA 4
14	D5	H/L	DATA 5
15	D6	H/L	DATA 6
16	D7	H/L	DATA 7
17	LED+	BACK LED+	Back LED Anode
18	LED-	BACK LED-	Back LED Negative