

JHD12232C SERIES

CHARACTERISTICS

DISPLAY CONTENT : 122 x 32 DOTS

DRIVING MODE : 1/32D

AVAILABLE TYPES :

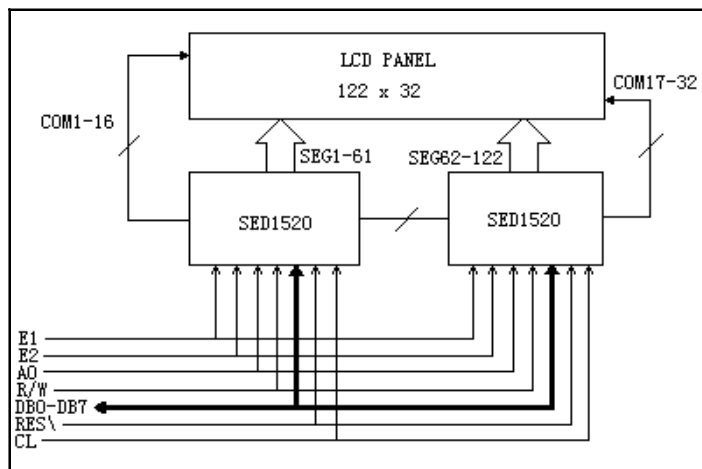
STN(YELLOW GREEN、GREY、 B/W)

REFLECTIVE、 WITH EL OR LED

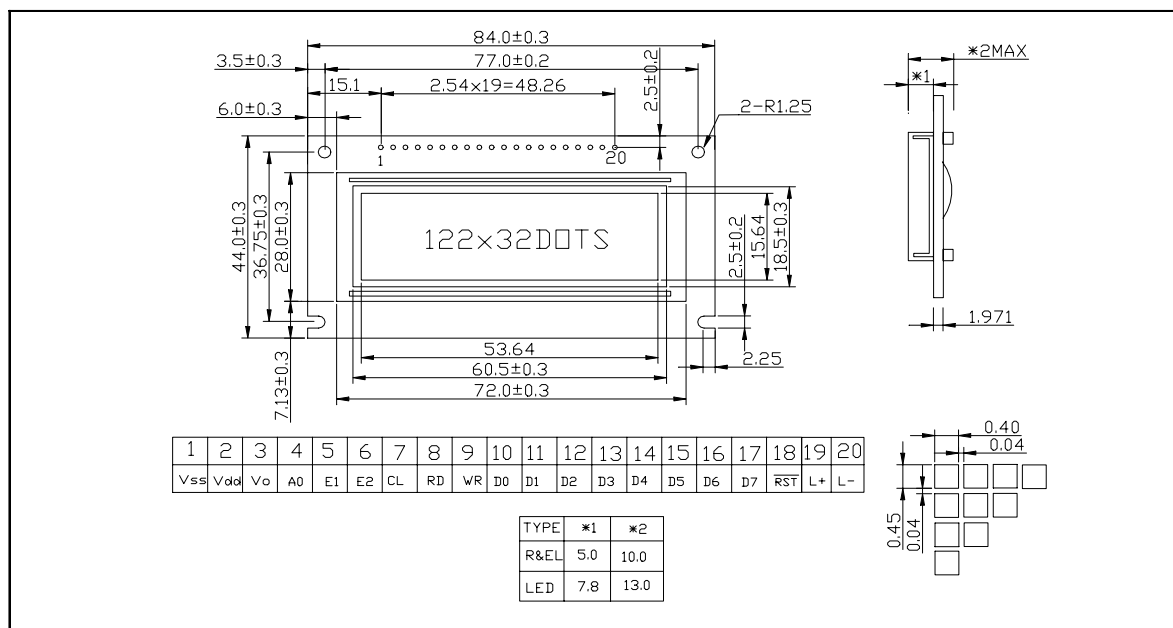
EL/100VAC, 400HZ

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°C	0	6.5	V
LCD Voltage	$V_{DD}-V_0$		0	12.0	V
Input Voltage	V_i		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)		$V_{DD}-V_0$	0°C	-	6.2	-	V
			25°C	-	5.5	-	V
			40°C	-	4.8	-	V
Input Voltage	‘ H ’ Level	V_{IH}	High	$0.7V_{DD}$	-	V_{DD}	V
	‘ L ’ Level	V_{IIL}	Low	0	-	$0.3V_{DD}$	V

■ PIN CONFIGURATION

PIN	SYMBOL	LEVEL	INSTRUCTION
1	V_{SS}	0V	Ground contact (GND)
2	V_{DD}	5.0V	Power Supply Voltage
3	V_0	LCD Drive Voltage	Adjust Contrast
4	A0	H/L	H:DATA ; L:COMMAND
5	E1	H,H→L	Select Signal 1
6	E2	H,H→L	Select Signal 2
7	CL	H/L	Clock pulse signal
8	RD	H	Read data signal
9	WR	L	Write data signal
10	D0	H/L	DATA 0
11	D1	H/L	DATA 1
12	D2	H/L	DATA 2
13	D3	H/L	DATA 3
14	D4	H/L	DATA 4
15	D5	H/L	DATA 5
16	D6	H/L	DATA 6
17	D7	H/L	DATA 7
18	RES	H/L	Reset signal
19	LED+		Back LED Anode
20	LED-		Back LED Negative