

Microstar Liquid Crystal Display

Model: 14115

BASIC FEATURES

- Display Mode: HTN /Reflective Positive
- Driving Condition: 1/6Duty 1/3Bias 3.3V
- Viewing direction: 6:00
- Operation temperature:-30~80°C
- Storage temperature: -40~90°C
- Connector: PIN

ELECTRO-OPTICAL CHARACTERISTICS

- Absolute maximum rating

NO.	Item	Rating	Unit	Conditions
1	Maximum AC applied voltage	10	V	1 hour
2	Limited DC applied voltage	30	mV	100hours
3	Operating Temperature Range	-30~80	°C	No condensation
4	Storage Temperature Range	-40~90	°C	No condensation

- 5.2 Electro-Optic Characteristics

NO	ITEM	Symbol	TEMP(°C)	Rating			Unit	Note
				Min	Typ	Max		
1	Operating Voltage	Vop	25	3.1	3.3	3.5	V	Note1
2	Response Time	Rise Time	25		80		ms	Note2
		Fall Time	25		75			
3	Operating Frequency	fF	25		75		Hz	
4	Contrast Rate	Cr	25		5			Note3
5	Viewing Direction	6 O'clock						Note4
	Viewing Angle Cr≥2	12H Ø=90°	⊕ 1		10	15		

6		6H $\phi=270^\circ$	\ominus 2	25	40	45	Deg	Note4
		3H $\phi=0^\circ$	\ominus 3		45	50		
		9H $\phi=180^\circ$	\ominus 4		45	50		
7	Current Consumption		Is	25		3.8	μ A	Note5
8	Capacitance		C	25		6.6	nF	Note6

Drawing

