

## EDID EEPROM for DDC2™ monitor

### BU9882-W/F-W/FV-W

#### ● Description

BU9882-W/F-W/FV-W is EEPROM for storing EDID™ based on DDC2™ of PC monitor. Due to the independent operating ports, and memory, this EEPROM can simultaneously communicate with two personal computers. There is also a switch that connects the PC to CPU in the monitor side, so that the PC can control the monitor.

#### ● Features

- 1) 128word x 8bit x 2port configuration of 2kbit serial EEPROM
- 2) 2PC connection possible
- 3) 2port simultaneous read function when dual port used.
- 4) For DDC2™
- 5) Wide range of power supply voltage (2.5~5.5V)
- 6) Page write function (Max. 8Byte)
- 7) Low current consumption
  - Operating (5V) : 1.5mA (Typ.)
  - Stand by (5V) : 0.1μA (Typ.)
- 8) Inadvertent write protection function
  - Built-in noise filter to SCL, SDA pin
  - Write protection at low power supply voltage
- 9) High reliable Double-Cell system

#### ● Applications

CRT monitor, LCD monitor, LCD projector

#### ● Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Supply Voltage	V <sub>CC</sub>	-0.3 ~ 6.5	V
Power Dissipation	P <sub>d</sub>	950 (DIP14) *1	mW
		450 (SOP14) *2	
Operating Temperature Range	T <sub>opr</sub>	-40 ~ 85	°C
Storage Temperature Range	T <sub>stg</sub>	-65 ~ 125	°C
Terminal Voltage	—	-0.3 ~ V <sub>CC</sub> +1.0 *3	V

\*1 Derating : 9.5mW/°C for operation above Ta=25°C \*2 Derating : 4.5mW/°C for operation above Ta=25°C

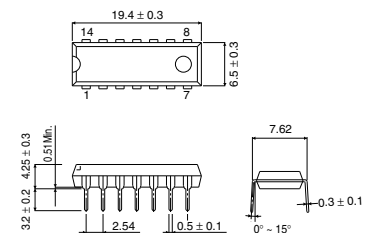
\*3 Maximum: 6.8V

#### ● Recommended Operating Conditions (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply Voltage	V <sub>CC</sub>	2.5	—	5.5	V
Input Voltage	V <sub>IN</sub>	0	—	V <sub>CC</sub> +1.0	V

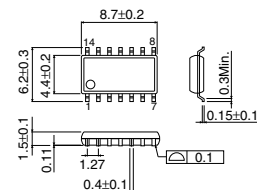
#### ● Dimension (Units : mm)

##### BU9882-W



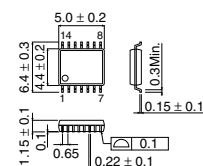
##### DIP14

##### BU9882F-W



##### SOP14

##### BU9882FV-W



##### SSOP-B14

