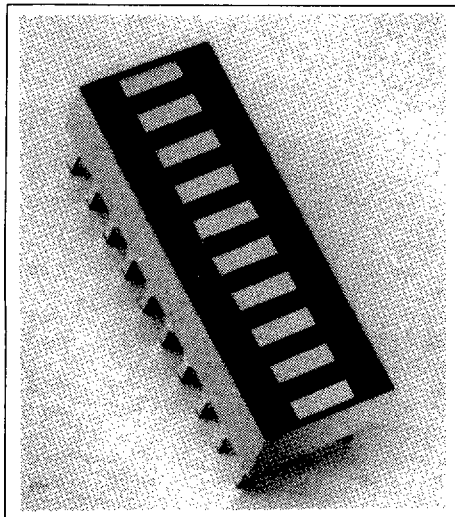


RED RBG-1000
SUPER-RED OBG-1000
YELLOW YBG-1000
GREEN GBG-1000

10 Element Bar Graph



FEATURES

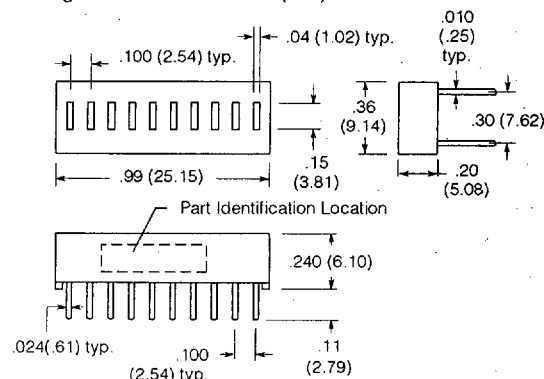
- 10 Element Display
- End Stackable Module
- Individual Addressable Anode and Cathode
- Intensity Coded for Display Uniformity
- Rugged Encapsulation
- Choice of Colors

DESCRIPTION

The Red RBG-1000, Super-Red OBG-1000, Yellow YBG-1000, and Green GBG-1000 are 10 individual element bar graphs. The package is an one inch long, 20 pin dual-in-line type that can be end stacked as bar graph displays of various lengths.

Applications include: bar graph, solid state meter movement, position indicator.

Package Dimensions in Inches (mm)

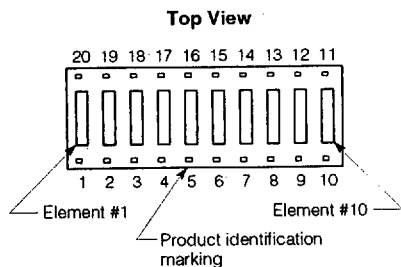


Maximum Ratings

Storage Temperature Range	-20°C to +85°C
Operating Temperature Range	-20°C to +85°C
Continuous Forward Current	
RBG-1000 per Display	200mA
RBG-1000 per Element	20mA
OBG/YBG/GBG-1000 per Display	156mA
OBG/YBG/GBG-1000 per Element	20mA
Peak Inverse Voltage per Element	3V
Derating Factor from 25°C	7.5 mW/°C
Power Dissipation at 25°C	450mW

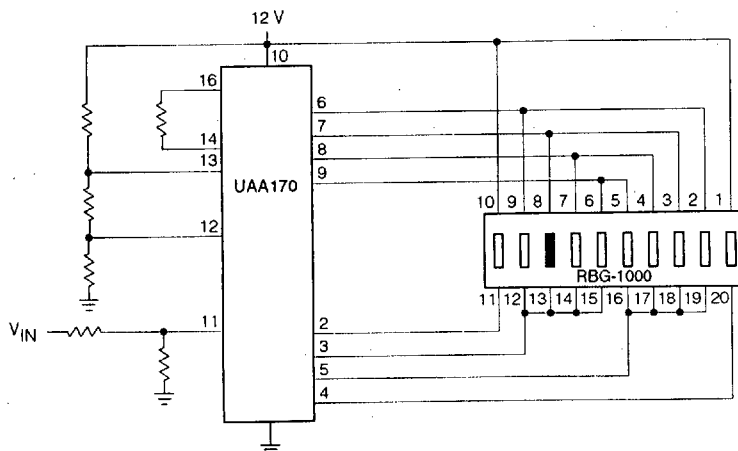
Optoelectronic Characteristics (at 25°C)

Parameter	Typ.	Max.	Unit	Test Condition
Peak Wavelength				
RBG-1000	660		nm	
OBG-1000	630		nm	
YBG-1000	585		nm	
GBG-1000	565		nm	
Forward Voltage				
RBG-1000	1.7	2.0	V	I _F =20mA
OBG-1000	2.2	2.8	V	I _F =20mA
YBG-1000	2.4	3.0	V	I _F =20mA
GBG-1000	2.4	3.0	V	I _F =20mA
Reverse Leakage	0.1	100	μA	V _R = 3V
Luminous Intensity per Element (Display Average)				
RBG-1000	0.5		mcd	I _F =20mA/Seg.
OBG-1000	2.5		mcd	I _F =20mA/Seg.
YBG-1000	2.0		mcd	I _F =20mA/Seg.
GBG-1000	2.0		mcd	I _F =20mA/Seg.

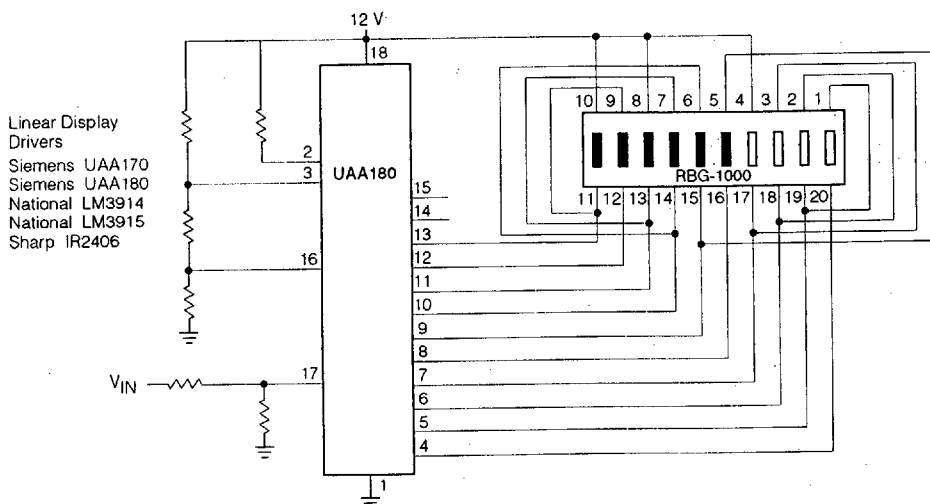


Pin	Function	Pin	Function
1	Anode 1	11	Cathode 10
2	Anode 2	12	Cathode 9
3	Anode 3	13	Cathode 8
4	Anode 4	14	Cathode 7
5	Anode 5	15	Cathode 6
6	Anode 6	16	Cathode 5
7	Anode 7	17	Cathode 4
8	Anode 8	18	Cathode 3
9	Anode 9	19	Cathode 2
10	Anode 10	20	Cathode 1

TYPICAL APPLICATIONS



Light Spot Display



Light Band Display

Linear Display Drivers
Siemens UAA170
Siemens UAA180
National LM3914
National LM3915
Sharp IR2406

No endorsement or warranty of other manufacturer's products is intended