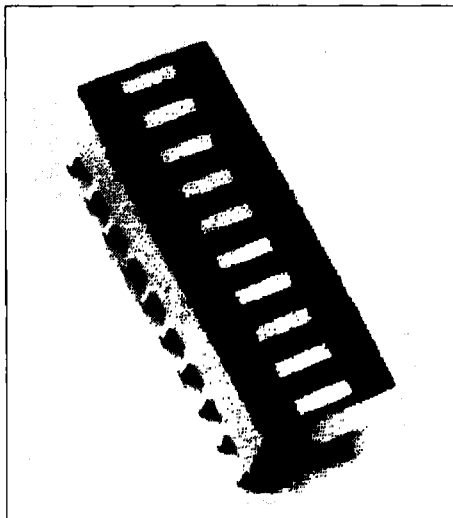


SIEMENS

RED RBG-1000 SUPER-RED OBG-1000 YELLOW YBG-1000 GREEN GBG-1000 10 Element Bar Graph



FEATURES

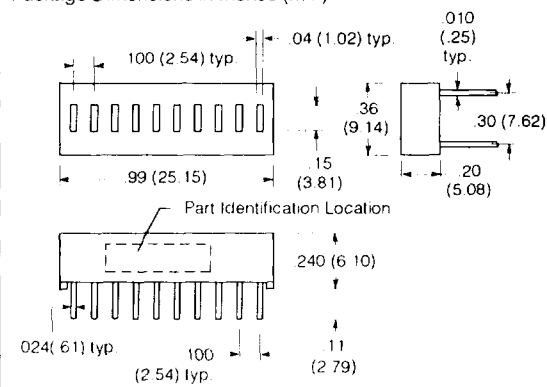
- 10 Element Display
- End Stackable Module
- Individual Addressable Anode and Cathode
- Intensity Coded for Display Uniformity
- Rugged Encapsulation
- Choice of Colors

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)

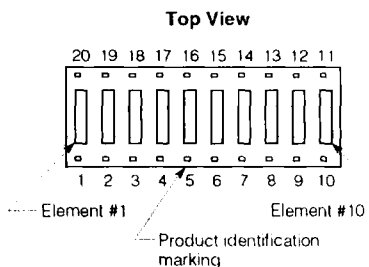


Maximum Ratings

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

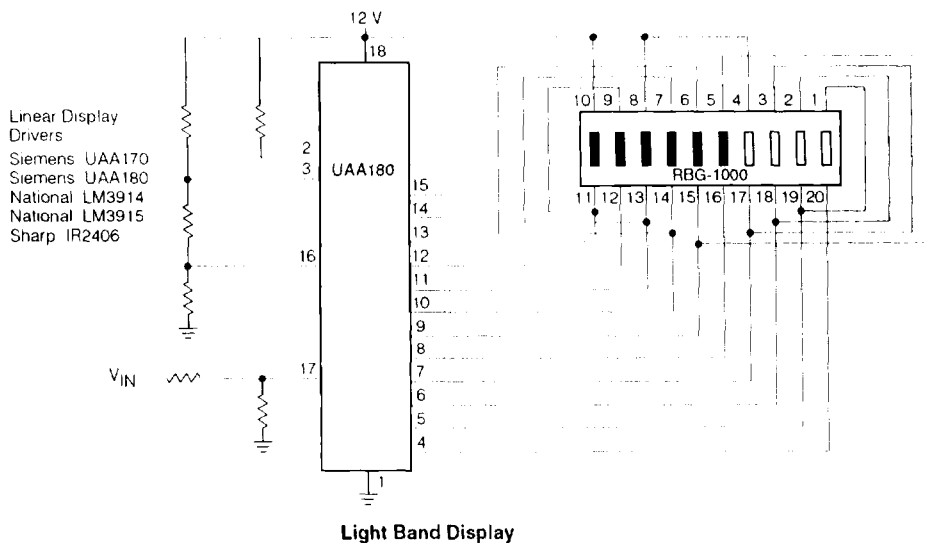
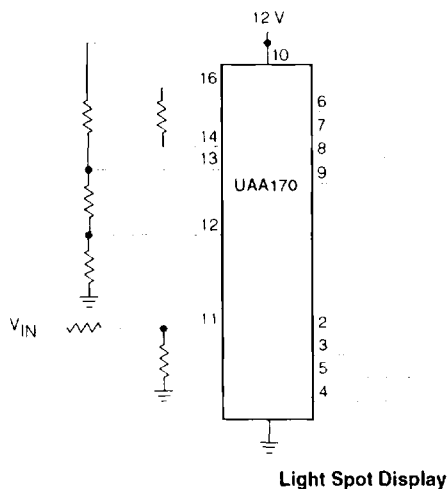
Optoelectronic Characteristics (at 25°C)

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



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

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