

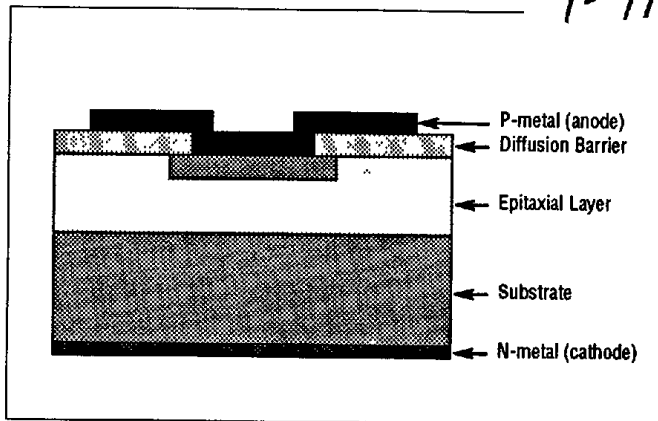
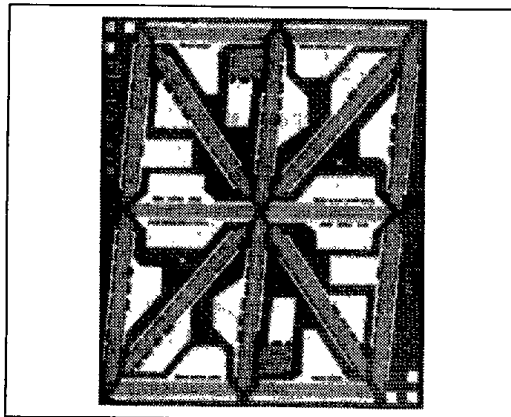
**SIEMENS**

**RM-81B  
Mask-Diffused GaAsP  
Monolithic LED**

Custom  
Optoelectronic  
Products

PART NO. 2680-0056

T-41-99



**DESCRIPTION**

Siemens RM-81B is a mask-diffused GaAsP monolithic light-emitting diode. With a bright and uniform 655 nm emission, this device is ideal for display applications.

**MATERIAL**

Epitaxial Layer: GaAs<sub>1-x</sub>P<sub>x</sub> : Te  
 Substrate: GaAs : Si or GaAs : Te  
 Metalizations: Anode Aluminum  
 Cathode Gold-Germanium

**Dimensions**

(center to center): Height 0.135"  
 Width 0.112"  
 Thickness 0.010"

**TYPICAL DEVICE PARAMETERS**

Forward I-V Characteristics	$V_{F3}$	1.59 V	@ 20 mA
	$V_{F2}$	1.57 V	@ 10 mA
	$V_{F1}$	1.40 V	@ 100 $\mu$ A
Reverse I-V Characteristics	$V_{R1}$	-23.0 V	@ -10 $\mu$ A
Peak EL Wavelength	$\lambda$	655 nm	@ 20 mA
Spectral Half-Width	FWHM	40 nm	@ 20 mA
Luminous Intensity (Device does not have AR coating)	LI	220 $\mu$ Cd	@ 10 mA