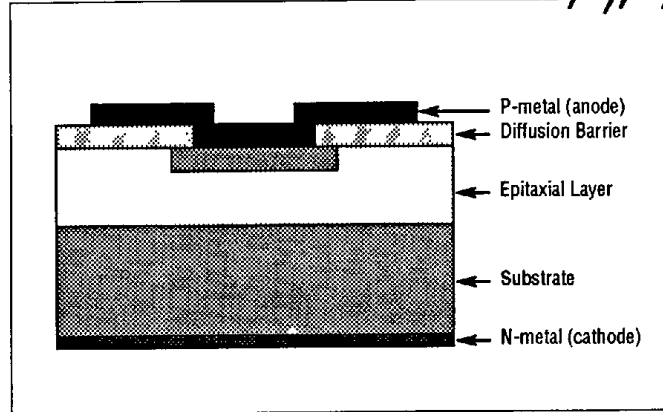
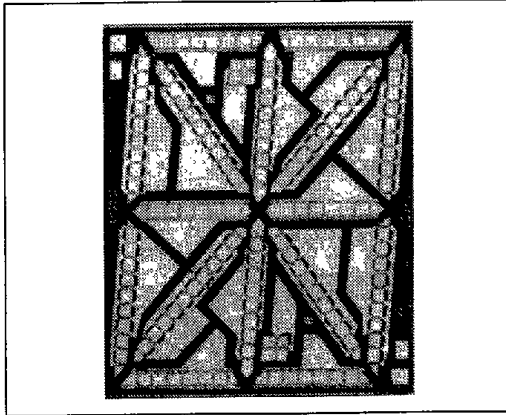


**SIEMENS**

**RM-85D  
Mask-Diffused GaAsP  
Monolithic LED**

PART NO. 2680-0030

*T-41-99*



**DESCRIPTION**

Siemens RM-85D 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>x</sub>P<sub>1-x</sub>:Te  
 Substrate: GaAs:Si or GaAs:Te  
 Metalizations: Anode Aluminum  
 Cathode Gold-Germanium

Dimensions  
 (center to center): Height 0.087"  
 Width 0.074"  
 Thickness 0.010"

**TYPICAL DEVICE PARAMETERS**

Forward I-V Characteristics	$V_{F3}$	1.63 V	@ 20 mA
	$V_{F2}$	1.59 V	@ 10 mA
	$V_{F1}$	1.42 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	320 $\mu$ Cd	@ 10 mA