

SIEMENS

RM-85D

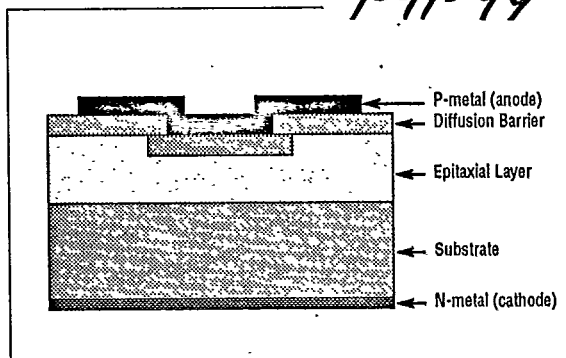
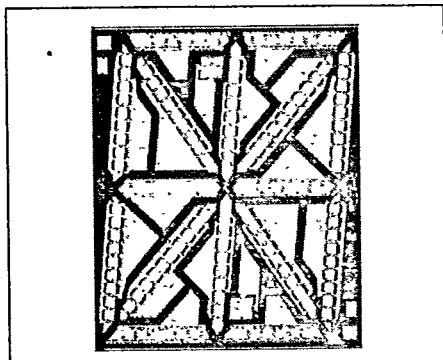
Mask-Diffused GaAsP

Monolithic LED

PART NO. 2680-0030

Custom
Optoelectronic
Products

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: $\text{GaAs}_{1-x}\text{P}_x : \text{Te}$
 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 μA
Reverse I-V Characteristics	V_{R1}	-23.0 V	@ -10 μA
Peak EL Wavelength	λ	655 nm	@ 20 mA
Spectral Half-Width	FWHM	40 nm	@ 20 mA
Luminous Intensity (Device does not have AR coating)	LI	320 μCd	@ 10 mA