

LE513NRD

5.00mm Round Type Red LED



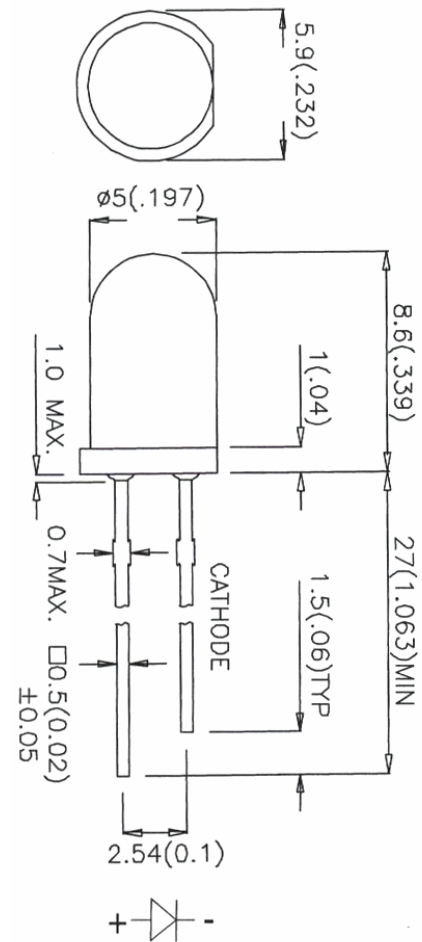
Features:

1. Suitable high pulse current operation
2. Extra high radiant power and radiant intensity
3. High reliability
4. Low forward voltage

Chip Materials:

Dice Material : GaAlAs
 Light Color : Super Red
 Len Color : Diffused

Item	Materials
Resin (Mold)	Epoxy
Lens Color	Diffused
Lead Frame	Ag Plating Copper Alloy
Dice	GaAlAs

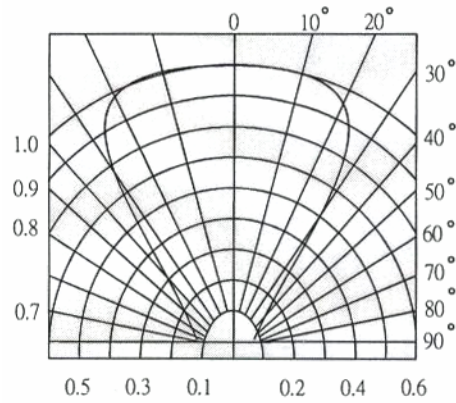


Parameter	Symbol	MAX	Unit
Power Dissipation	P _d	100	mW
Reverse Voltage	V _R	5	V
Forward Current	I _F	20	mA
Derating Linear Form 25°C		0.4	uA/°C
Operating Temperature	T _{opr}	-25°C ~ 80°C	
Storage Temperature	T _{stg}	-40°C ~ 85°C	
Lead Soldering Temperature {1.6mm (0.063 inch)Form Body} 250°C+5°C for 3 seconds.			

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SPATIAL DISTRIBUTION

Electrical and optical characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	-	1.8	2.3	V
Reverse Current	I_R	$V_R=5\text{V}$	-	-	100	μA
Half Intensity Angle	$2\theta_{1/2}$			30		Deg
Luminous Intensity	I_v	$I_F=20\text{mA}$	-	150	-	Mcd
Chromaticity Coordinates	X	$I_F=20\text{mA}$		0.30		
	Y	$I_F=20\text{mA}$		0.29		