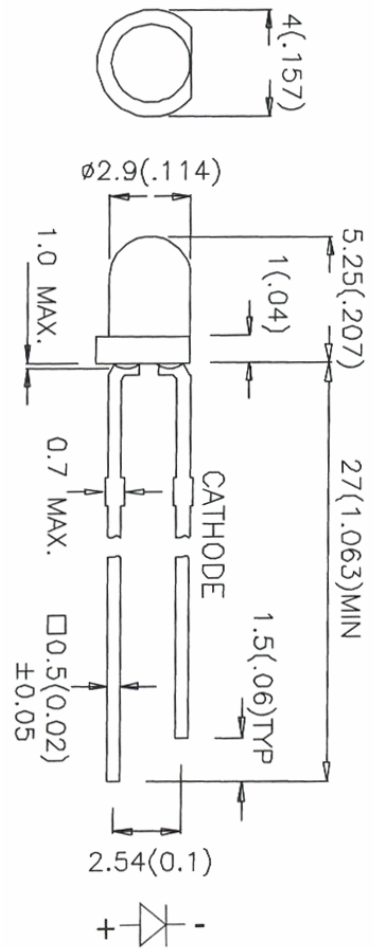


## LE314YD

### 3.00mm Round Type Yellow 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 on GaP (Wave Length: Typ: 585nm)

Light Color : Yellow

Len Color : Diffused

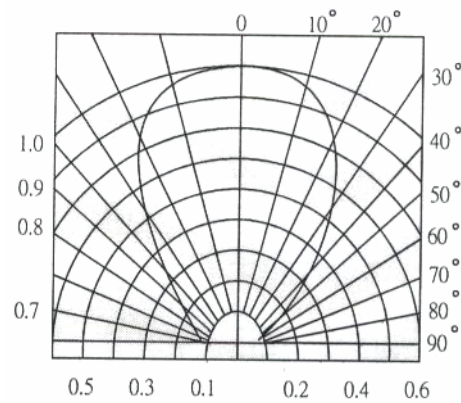
Item	Materials
Resin (Mold)	Epoxy
Lens Color	Diffused
Lead Frame	Ag Plating Copper Alloy
Dice	GaAlAs on GaP

Parameter	Symbol	MAX	Unit
Power Dissipation	Pd	100	mW
Reverse Voltage	V <sub>R</sub>	5	V
Forward Current	I <sub>F</sub>	20	mA
Derating Linear Form 25°C		0.4	uA/°C
Operating Temperature	T <sub>opr</sub>	-25°C ~ 80°C	
Storage Temperature	T <sub>stg</sub>	-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	$V_F$	$I_F=20mA$	-	2.1	2.3	V
Reverse Current	$I_R$	$V_R=5V$	-	-	100	uA
Half Intensity Angle	$2\theta_{1/2}$			30		Deg
Luminous Intensity	$I_V$	$I_F=20mA$	-	10	-	Mcd
Chromaticity Coordinates	X	$I_F=20mA$		0.30		
	Y	$I_F=20mA$		0.29		