

# 5MM (ROUND TYPE)(GAP) LED LAMP

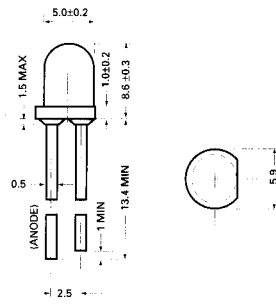
5MM (Round Type) (Gap)  
LED Lamp

## Test Condition

$V_r = 5V$

$I_f = 20mA$

$I_f = 10mA$  (MCD)



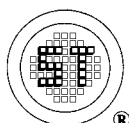
Dimensions in mm

## Maximum Ratings ( $T_a = 25^\circ C$ )

	Symbol	Value	Unit
Reverse Voltage	$V_R$	5	Volts
Reverse Current		10	$\mu A$ ( $V_r = 5V$ )
Operating Temperature	$T_{amb}$	-40 to 85	$^\circ C$
Storage Temperature	$T_s$	-40 to 100	$^\circ C$

## Electrical and Electronic Characteristic

Part No.	Colour	Wave Length $\lambda P$ (nm)	$\Delta \lambda$ (nm)	$P_d$ (mv)	$I_f$ (mA)	Peak $I_f$ (mA)	$V_f$ (V)			Rec $I_f$ (mA)	$I_v$ (mad)	
							Min.	Typ.	Max.		Min.	Typ.
ST5002DR	Red Diffused	697	90	45	15	50	1.7	2.1	2.8	5-10	0.4	1.1
ST5002DG	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10-20	0.7	2.5
ST5002DY	Yellow Diffused	585	35	85	20	160	1.7	2.0	2.8	10-20	0.7	2.5



**SEMTECH ELECTRONICS LTD.**  
( wholly owned subsidiary of HONEY TECHNOLOGY LTD. )

