

2x5MM(RECTANGULAR TYPE)(GAP) LED LAMP

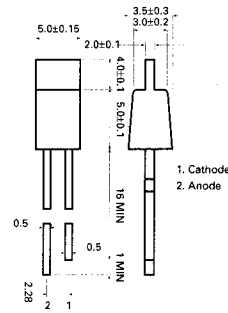
2x5MM (Rectangular Type) (Gap)
LED Lamp

Test Condition

Vr = 5V

If = 20mA

If = 10mA (MCD)



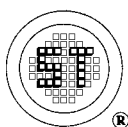
Dimensions in mm

Maximum Ratings (T_a = 25 °C)

	Symbol	Value	Unit
Reverse Voltage	V _R	5	Volts
Reverse Current		10	μA (Vr = 5V)
Operating Temperature	T _{amb}	-40 to 85	°C
Storage Temperature	T _s	-40 to 100	°C

Electrical and Electronic Characteristic

Part No.	Colour	Wave Length λ P (nm)	Δ λ (nm)	Pd (mv)	If (mA)	Peak If (mA)	Vf (V)			Rec If (mA)	Iv (mad)	
							Min.	Typ.	Max.		Min.	Typ.
ST2004DR	Red Diffused	700	90	45	10	35	1.7	2.1	2.8	5-10	0.4	1.4
ST2004DG	Green Diffused	565	30	45	10	35	1.7	2.1	2.8	10-20	0.8	1.8
ST2004DY	Yellow Diffused	585	35	45	10	35	1.7	2.0	2.8	10-20	0.7	1.8



SEMTECH ELECTRONICS LTD.
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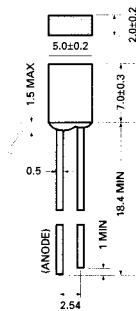
LED Lamp

Test Condition

V_r = 5V

I_f = 20mA

I_f = 10mA (MCD)



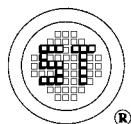
Dimensions in mm

Maximum Ratings (T_a = 25 °C)

	Symbol	Value	Unit
Reverse Voltage	V _R	5	Volts
Reverse Current		10	μA (V _r = 5V)
Operating Temperature	T _{amb}	-40 to 85	°C
Storage Temperature	T _s	-40 to 100	°C

Electrical and Electronic Characteristic

Part No.	Colour	Wave Length λ P(nm)	Δλ (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.
ST2002DR	Red Diffused	700	90	45	10	35	1.7	2.1	2.8	5-10	0.4	1.4
ST2002DG	Green Diffused	565	30	45	10	35	1.7	2.1	2.8	10-20	0.8	1.8
ST2002DY	Yellow Diffused	585	35	45	10	35	1.7	2.0	2.8	10-20	0.7	1.8



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