

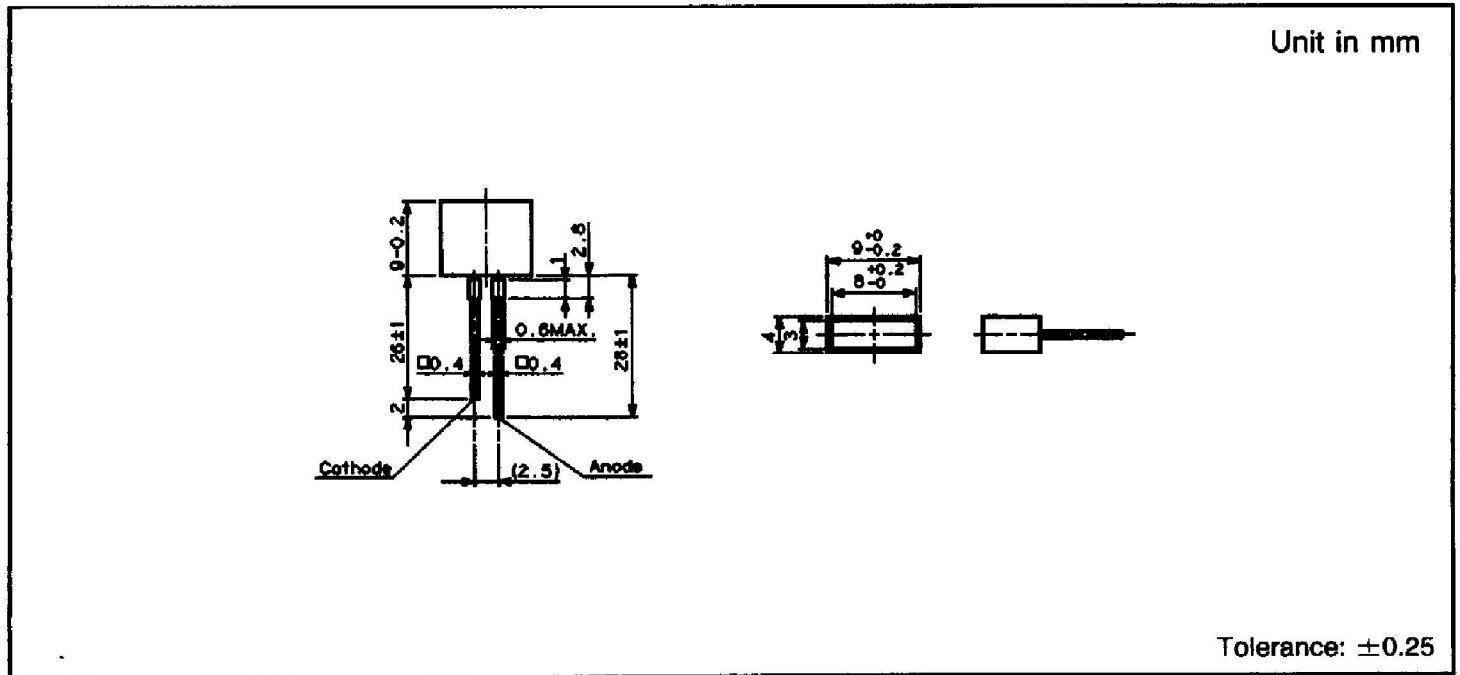


SUPER BRIGHT LED LIGHT BAR MODULES

3×8mm TYPE

MU14 SERIES

■ Package Dimensions



■ FEATURES

- AVAILABLE IN 4 COLORS; RED, GREEN, YELLOW AND ORANGE
- 3×8mm UNIFORM LIGHT EMISSION SURFACE
- SURFACE DIFFUSED TYPE
- LOW CURRENT DRIVE
- LARGE ALLOWABLE CURRENT CAPACITY, EXCELLENT FOR PULSE DRIVE
- HIGH RELIABILITY, LONG LIFE

■ APPLICATION

- LIGHT SOURCE FOR OA EQUIPMENT
- LIGHT SOURCE FOR AV EQUIPMENT
- LIGHT SOURCE FOR AUTOMATIC VENDING MACHINES

■ Absolute Maximum Ratings

(Ta=25°C)

PART No.		MU14-2101 (2105)	MU14-3101 (3105)	MU14-4101 (4105)	MU14-5101 (5105)	Units
PARAMETER						
Forward Current	I_F	30	25	30	25	mA
* Peak Forward Current	I_{FM}	60	60	60	60	mA
Reverse Voltage	V_R	4	4	4	4	V
Power Dissipation	P_d	60	62	75	62	mW
Operating Temperature	T_{opr}	-40 ~ +85				°C
Storage Temperature	T_{stg}	-40 ~ +85				°C
Derate (Linearly from 25°C)	ΔI_F	0.40	0.33	0.40	0.33	mA/°C

 * I_{FM} condition: $t_w \leq 1\text{msec}$, Duty $\leq 1/20$
■ Electro-Optical Characteristics

(Ta=25°C)

PART No.		MU14-2101 (2105)	MU14-3101 (3105)	MU14-4101 (4105)	MU14-5101 (5105)	Units
PARAMETER						
Emitted Color		Red	Orange	Yellow	Pure Green	—
Molded Resin Color		Red (White)	Orange (White)	Yellow (White)	Green (White)	—
Number of Chips		1	1	1	1	—
Forward Voltage	V_F Typ.	1.7	2.2	2.1	2.2	V
	$I_F=20\text{mA}$					
Reverse Current	I_R MAX.	100	100	100	100	μA
	$V_R=4\text{V}$					
** Luminous Intensity	I_v Typ.	8	6	8	4	mcd
	$I_F=20\text{mA}$					
Peak Wave Length	λ_P Typ.	660	605	570	555	nm
	$I_F=20\text{mA}$					
Spectral Line Half Width	$\Delta\lambda$ Typ.	30	30	30	30	nm
	$I_F=20\text{mA}$					
Capacitance	C_o Typ.	35	25	40	55	pF
	$V=0, f=1\text{MHz}$					