

LT6600 $\phi 26$ mm Waterproof Package With Hood Type Dichromatic Solid State Lamp

□ Model No.

LT6600 Yellow-green GaP
 Red (Super-luminosity) GaAlAs/GaAlAs

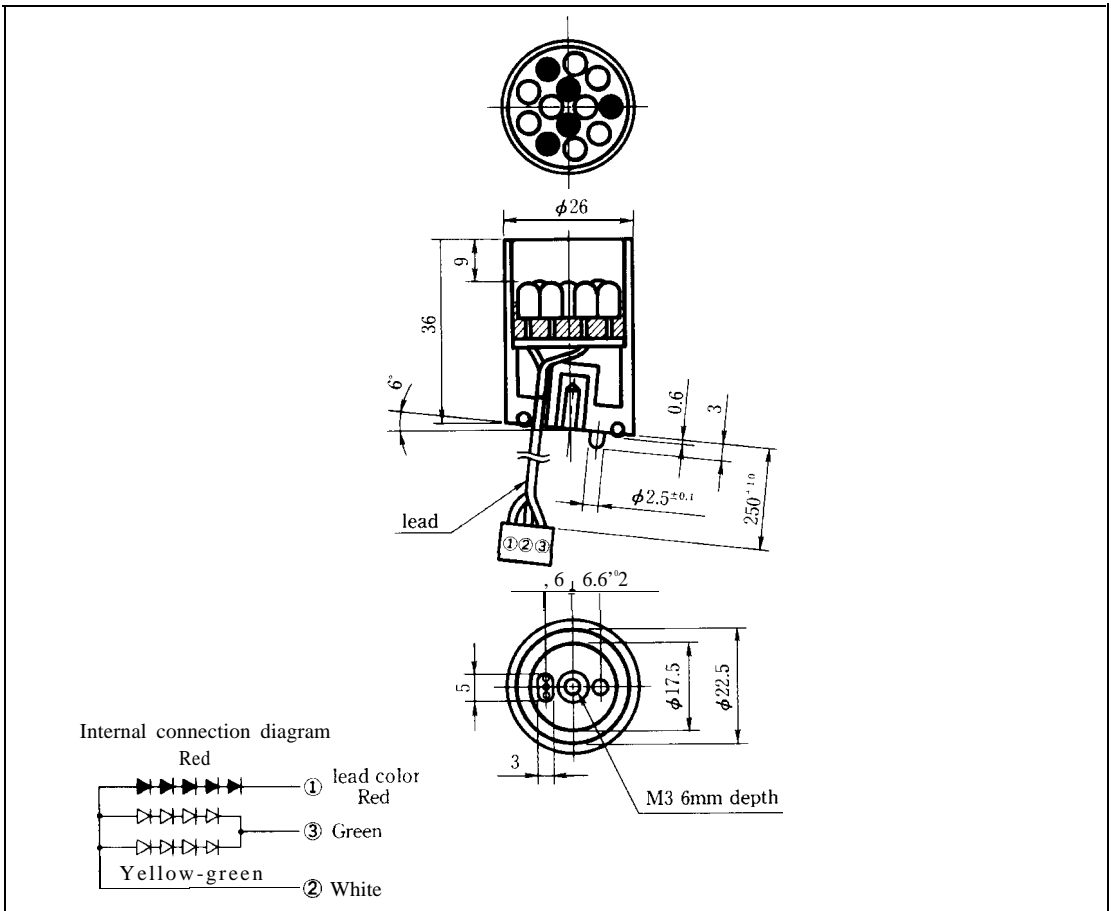
■ Features

1. $\phi 26$ mm dichromatic solid state lamps
2. Radiation color : Yellow-green, red and orange (mixed color)
3. No. of built-in $\phi 5$ mm LED lamps
 Yellow-green : 8pcs. Red : 5pcs.
4. Waterproof package with hood
5. Static drive
6. Best suitable for outdoor and indoor information boards.

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Outline Dimensions

(Unit: mm)



LT6600

■ Absolute Maximum Ratings

(Ta = 25°C)

Parameter	Symbol	LT6600				Unit
		Yellow-green	Red			
Power dissipation	P	0.6	0.3			W
Continuous forward current (DC)	I _F	60	30			mA
Peak forward current	I _{FM}	—	—			mA
Derating factor	DC		-			mA/°C
	Pulse		-			mA/°C
Reverse voltage (DC)	V _R	15				V
Operating temperature	T _{op1}	-25 to +60				°C
Storage temperature	T _{stg}	-30 to +100				°C
Soldering temperature	T _{sol}					°C

LT6600 (Yellow-green/Red)

■ Electro-optical Characteristics (DC)

(Ta = 25°C)

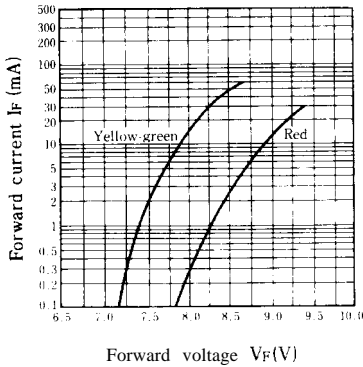
Parameter	Symbol	Radiation color	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	V _F	Yellow-green	I _F = 40mA	—	8.4	9.2	V
		Red	I _F = 20mA	—	9.2	10	
※1 Luminous intensity	I _v	Yellow-green	I _F = 40mA	0.7	1.0	—	cd
		Red	I _F = 20mA	1.3	1.8	—	
Peak emission wavelength	λ _p	Yellow-green	I _F = 40mA	—	565	—	‘m
		Red	I _F = 20mA	—	660	—	
Spectrum radiation bandwidth	Δλ	Yellow-green	I _F = 40mA	—	30	—	‘m
		Red	I _F = 20mA	—	20	—	
Reverse current	I _R	Yellow-green	V _R = 15V	—	—	100	μA
		Red	V _R = 15V	—	—	100	
Terminal capacitance	C _t	Yellow-green	—	—	—	—	pF
		Red	—	—	—	—	
Response frequency	f _c	Yellow-green	—	—	4	—	MHz
		Red	—	—	8	—	

※1 Tolerance: ±20%

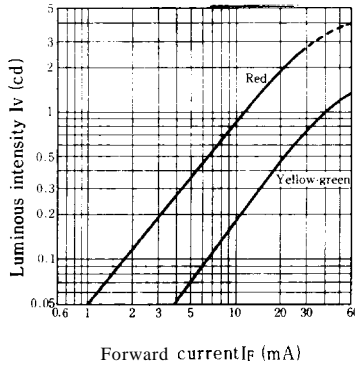


■ Characteristics Diagrams

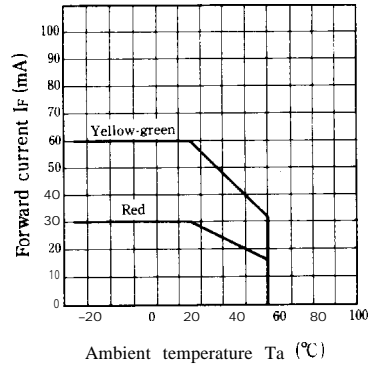
Forward Current vs. Forward Voltage (Ta = 25°C)



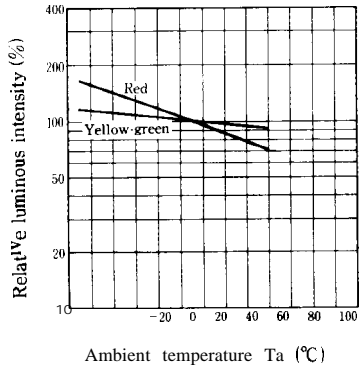
Luminous Intensity vs. Forward Current (Ta = 25°C)



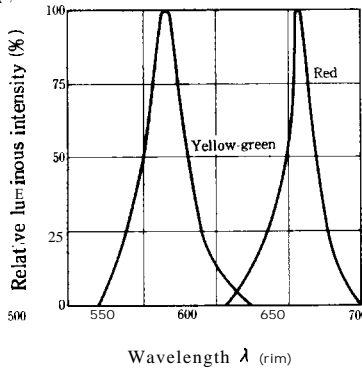
Forward Current Derating Curve



Relative Luminous Intensity vs. Ambient Temperature (Y.g.: I_F = 40mA, Red: I_F = 20mA)



Spectrum Distribution (Ta = 25°C)



Radiation Diagram (Ta = 25°C)

