GL9□08/ GL8□08 Series

20.32mm Character Height
Numeric LEDs

■ Model No.

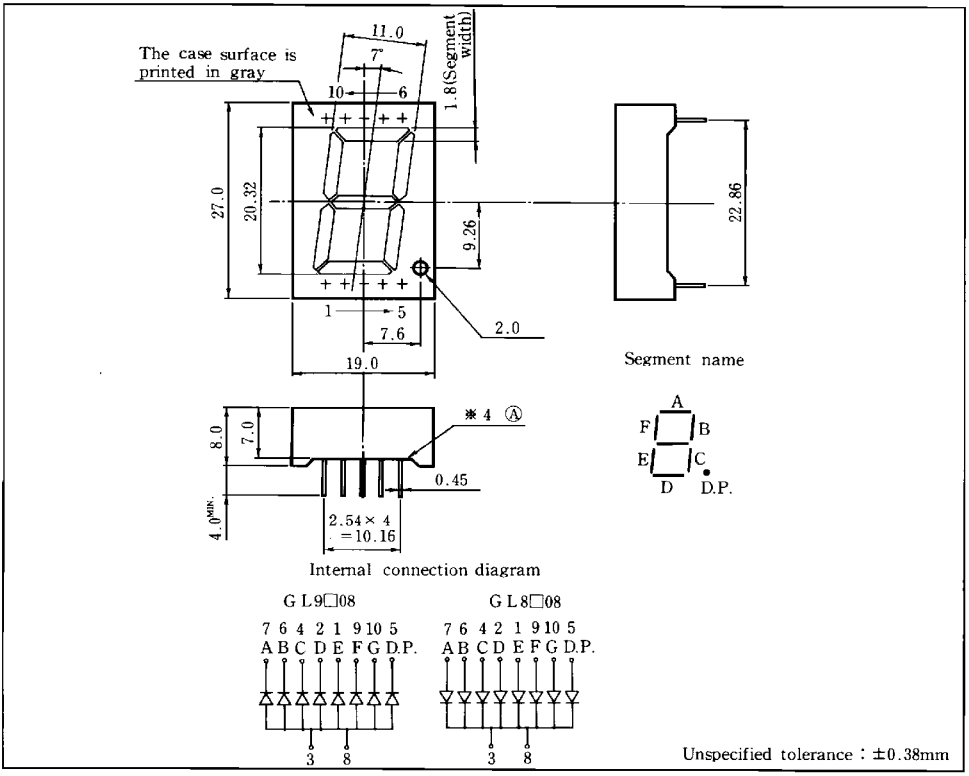
GL9L08/GL8L08	Red (High-luminosity)	GaAlAs/GaAs
GL9T08/GL8T08	Red (High-luminosity)	GaAlAs/GaAs

■ Features

1. Character height : 20.32mm
2. 1 digit
3. Case mold type
4. Diamond cut type segments

■ Outline Dimensions

(Unit: mm)



GL9□08 / GL8□08

■ Absolute Maximum Ratings

(Ta=25℃)

Parameter			Symbol	GL9L08 GL8L08 / GL9T08 GL8T08					Unit
Power dissipation	※1Per digit		P	308					mW
Continuous forward current	※1Per digit		I_F	140					mA
	※2		I_F	20					mA
※3Peak forward current	※2		I_{FM}	100					mA
Derating factor	※2	DC	−	0.36					mA/℃
		Pulse	−	1.82					mA/℃
Reverse voltage	Per segment		V_R	5					V
	Per decimal point		V_R	5					V
Operating temperature			T_{opr}	−30 to +70					℃
Storage temperature			T_{stg}	−40 to +80					℃
※4Soldering temperature			T_{sol}	260 (within 5 seconds)					℃

※1 Per digit: 7 segments
※2 Per segment, or per decimal point
※3 Duty ratio=1/10, Pulse width=0.1ms
※4 At the position of 2.6 mm from Ⓐ level of outline dimensions

GL9L08/GL8L08(Red) , GL9T08/GL8T08(Red)

■ Electro-optical Characteristics

(Ta=25℃)

Parameter		Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	Per segment	V_F	GL9L08/GL8L08	I_F=10mA	−	1.7	2.2	V
			GL9T08/GL8T08	I_F=10mA	−	1.7	2.2	
	Per decimal point		GL9L08/GL8L08	I_F=10mA	−	1.7	2.2	V
			GL9T08/GL8T08	I_F=10mA	−	1.7	2.2	
※5Luminous intensity	Per segment	I_V	GL9L08/GL8L08	I_F=10mA	2.2	5.8	−	mcd
			GL9T08/GL8T08	I_F=10mA	1.0	2.2	−	
	Per decimal point		GL9L08/GL8L08	I_F=10mA	0.8	2.3	−	mcd
			GL9T08/GL8T08	I_F=10mA	0.4	0.9	−	
※2Peak emission wavelength		λ_p	GL9L08/GL8L08	I_F=10mA	−	660	−	nm
			GL9T08/GL8T08	I_F=10mA	−	660	−	
※2Spectrum radiation bandwidth		$\Delta\lambda$	GL9L08/GL8L08	I_F=10mA	−	20	−	nm
			GL9T08/GL8T08	I_F=10mA	−	20	−	
Reverse current	Per segment	I_R	GL9L08/GL8L08	V_R=4V	−	−	10	μA
			GL9T08/GL8T08	V_R=4V	−	−	10	
	Per decimal point		GL9L08/GL8L08	V_R=4V	−	−	10	μA
			GL9T08/GL8T08	V_R=4V	−	−	10	
※2Response frequency		fc	GL9L08/GL8L08	−	−	8	−	MHz
			GL9T08/GL8T08	−	−	8	−	

※2 Per segment, or per decimal point
※5 Tolerance: ±30%