GL9□156 / GL8□156 Series

14.12mm Character Height
Numeric LEDs

■ Model No.

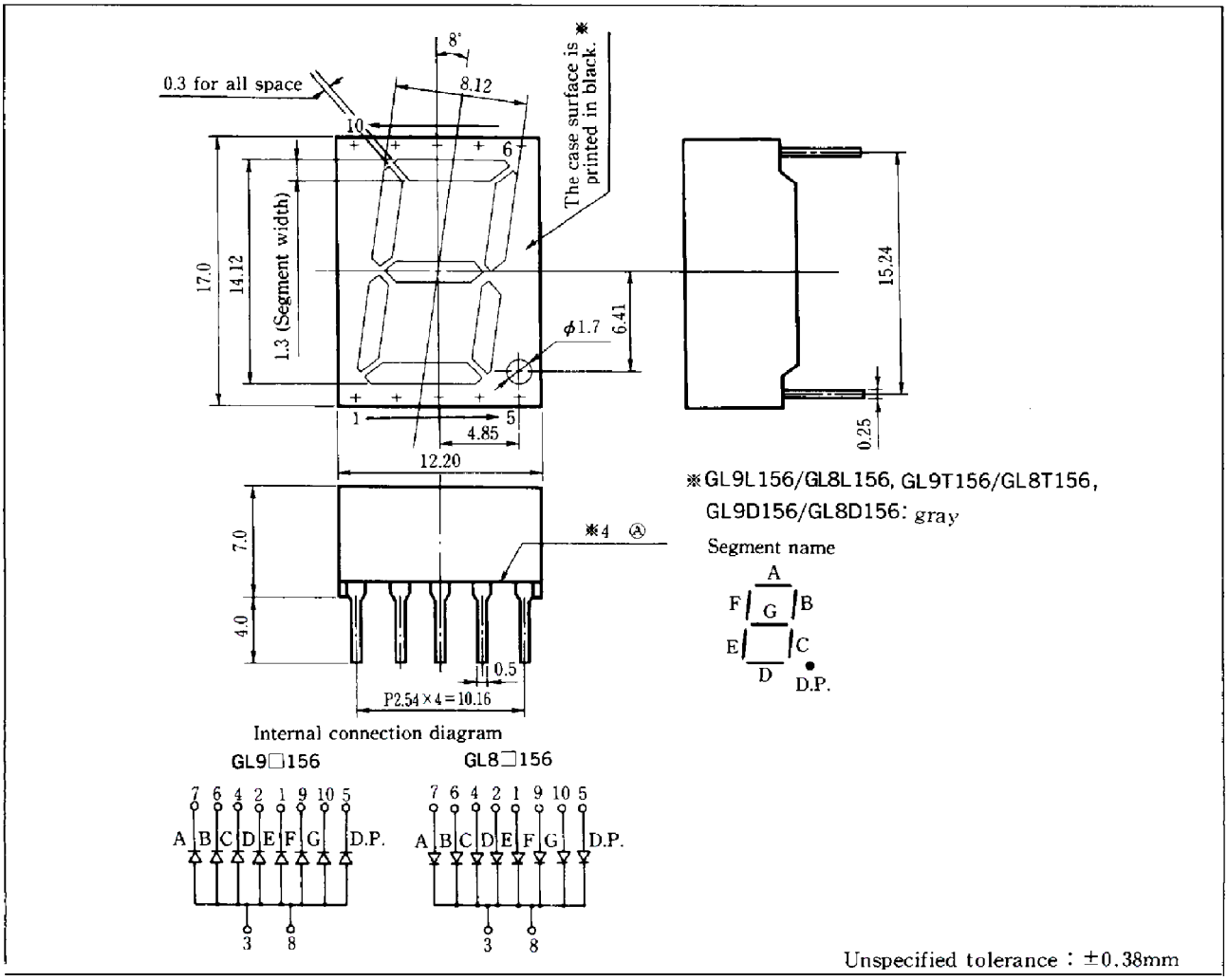
GL9L156/GL8L156	Red (High-luminosity)	GaAlAs/GaAs

■ Features

1. Character height : 14.12mm
2. 1 digit
3. Case mold type
4. Small package
5. Diamond cut type segments

■ Outline Dimensions

(Unit: mm)



GL9□156 / GL8□156

■ Absolute Maximum Ratings

(Ta=25℃)

Parameter			Symbol	GL9L156 GL8L156 GL9T156 GL8T156	GL9P156 GL8P156	GL9D156 GL8D156	GL9S156 GL8S156 GL9H156 GL8H156	GL9E156 GL8E156 GL9K156 GL8K156	Unit
Power dissipation	※1Per digit		P	308	263	322	350	263	mW
Continuous forward current	※1Per digit		I_F	140	105	140	140	105	mA
	※2		I_F	20	15	20	20	15	mA
※3Peak forward current	※2		I_{FM}	100	50	50	50	50	mA
Derating factor	※2	DC	—	0.36	0.27	0.36	0.36	0.27	mA/℃
		Pulse	—	1.82	0.91	0.91	0.91	0.91	mA/℃
Reverse voltage	Per segment		V_R	5	5	5	5	5	V
	Per decimal point		V_R	5	5	5	5	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

GL9L156/GL8L156(Red) , GL9T156/GL8T156(Red)

■ Electro-optical Characteristics

(Ta=25℃)

Parameter		Symbol	Model No.	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	Per segment	V_F	GL9L156/GL8L156	I_F=10mA	—	1.7	2.2	V
			GL9T156/GL8T156	I_F=10mA	—	1.7	2.2	
	Per decimal point		GL9L156/GL8L156	I_F=10mA	—	1.7	2.2	V
			GL9T156/GL8T156	I_F=10mA	—	1.7	2.2	
※5Luminous intensity	Per segment	I_V	GL9L156/GL8L156	I_F=10mA	3.71	10.8	—	mcd
			GL9T156/GL8T156	I_F=10mA	1.69	5.25	—	
	Per decimal point		GL9L156/GL8L156	I_F=10mA	1.85	4.90	—	mcd
			GL9T156/GL8T156	I_F=10mA	0.50	1.50	—	
※2Peak emission wavelength		λ_p	GL9L156/GL8L156	I_F=10mA	—	660	—	nm
			GL9T156/GL8T156	I_F=10mA	—	660	—	
※2Spectrum radiation bandwidth		$\Delta\lambda$	GL9L156/GL8L156	I_F=10mA	—	20	—	nm
			GL9T156/GL8T156	I_F=10mA	—	20	—	
Reverse current	Per segment	I_R	GL9L156/GL8L156	V_R=4V	—	—	10	μA
			GL9T156/GL8T156	V_R=4V	—	—	10	
	Per decimal point		GL9L156/GL8L156	V_R=4V	—	—	10	μA
			GL9T156/GL8T156	V_R=4V	—	—	10	
※2Response frequency		fc	GL9L156/GL8L156	—	—	8	—	MHz
			GL9T156/GL8T156	—	—	8	—	

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