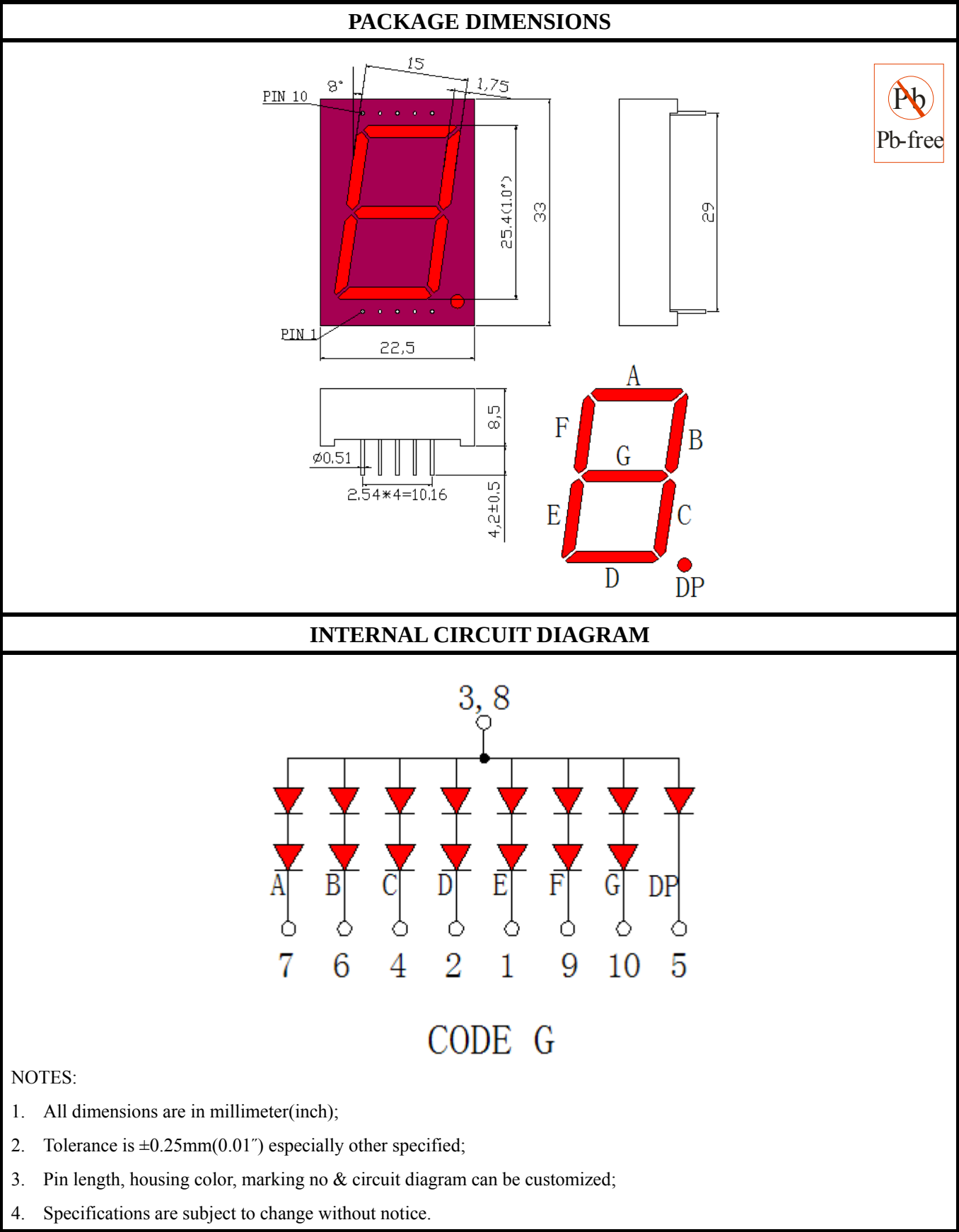


CM1-1001500-P5TRRP



CM1-1001500-P5TRRP



Chip Material: AlGaInP / GaAs Ultra Bright Red LED Chip

ABSOLUTE MAXIMUM RATINGS (Ta = 25)

PARAMETER	SYMBOL	MAXIMUM RATING	UNIT
Power Dissipation	P _D	72	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width)	I _{PEAK}	90	mA
DC Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _A	-40°C to +85°C	
Storage Temperature Range	T _{STG}	-40°C to +85°C	
Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C			

ELECTRICAL OPTICAL CHARACTER AND CURVES (Ta = 25)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	LOCATION	TEST CONDITION
Forward Voltage	VF	-	2.05	2.40	V	Per Chip	IF =20mA
Luminous Intensity	IV	34	38	43	mcd	Per Chip	IF =20mA
Peak Emission Wavelength	λp	-	645	-	nm	Per Chip	IF =20mA
Dominant Emission Wavelength	λd	629	630	631	nm	Per Chip	IF =20mA
Spectral Line Half-Width	Δλ1/2	-	20	-	nm	Per Chip	IF =20mA
Reverse Current	IR	-	-	10	uA	Per Chip	VR = 5V

Note:

- 1. Luminous intensity tolerance is ±10%;
- 2. Dominant Emission Wavelength tolerance is ±5%.