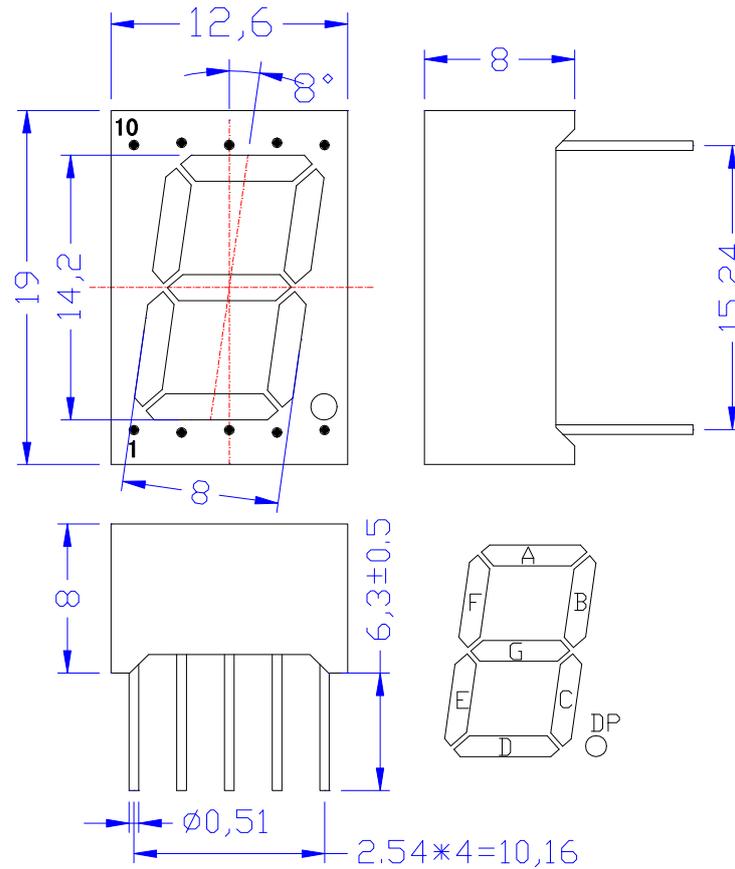
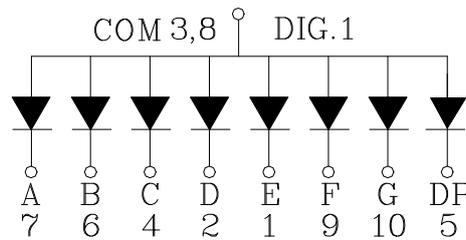


■ **Outer Dimension:**



Notes: Unless otherwise stated, The tolerance is $\pm 0.25\text{mm}$.

■ **Circuit Diagram:**



■ **Pin Connection:**

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	6	Cathode B
2	Cathode D	7	Cathode A
3	Common Anode	8	Common Anode
4	Cathode C	9	Cathode F
5	Cathode DP	10	Cathode G

■ **Features:**

- . High Reliability
- . Color: GaP Red Digit
- . Low Power Requirement
- . Easy Assembly

■ **Description:**

- . Single Digit Display
- . Digit Height:14.2mm (0.56")
- . Black Face and Encapsulation With White Epoxy

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment	P _d	—	Red	65	mW
Forward Current Segment	I _F	—	Red	20	mA
Derating Of If Per Segment	ΔI _F	Ta ≥ 50°C	Red	0.30	mA/°C
Peak Forward Current Per Segment	I _{FP}	1/10 Duty 10KHz	Red	100	mA
Reverse Voltage Per Segment	V _R	—	Red	5	V
Operating Temperature Range	Topr	—	—	-35~+85	°C
Storage Temperature Range	Tstg	—	—	-35~+85	°C

■ Electrical/Optical Characteristics Rating(Ta=25°C)

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	Red	1.5	1.8	2.1	V
Reverse Current	I _R	V _R =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	—	3	—	mcd
Peak Emission Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	660	—	nm
	λ _D					640		
Spectral Line Half Width	Δλ	I _F =20mA	Per Segment	Red	—	30	—	nm
Luminous Intensity Matching Ratio	I _{v-m}	I _F =20mA					2:1	

■ Pb, Cd, Hg, Cr+6, PBBs, PBDEs 6 Substances Complies To RoHS Standard.

■ Soldering Conditions: Soldering Temp. ≤ +260°C, Soldering Time. ≤ 3sec.

(at 2mm Distance from The Case of Reflector Edge)

■ Material List:

Item	Part No.
CHIP	TK108SR
Al Wire	1.25mil
Silver Epoxy	841—LMISR4
Epoxy	TX200A/B
PCB/	CD-5161A/B
REF	CDS-5164BN