



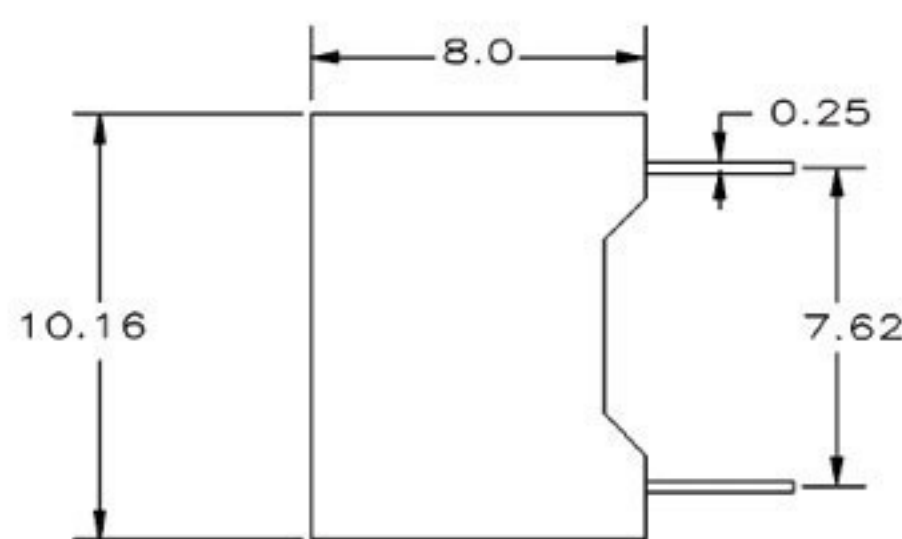
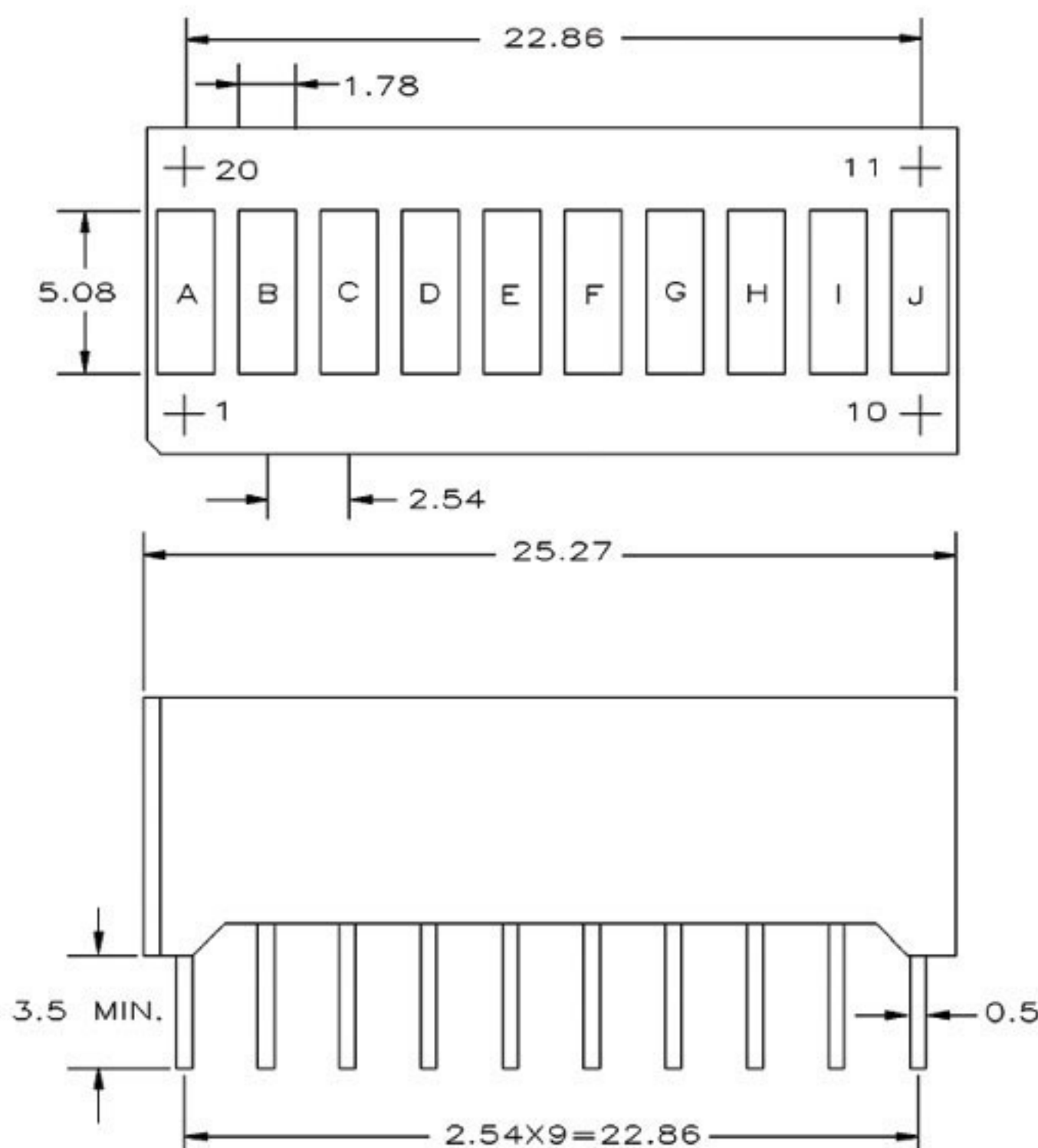
Absolute Maximum Ratings at $T_A=25^{\circ}\text{C}$

REVERSE VOLTAGE PER LED CHIP ($\leq 100\mu\text{A}$)	GaAsP RED 3.0V, OTHER 5.0V
D.C. FORWARD CURRENT PER LED CHIP	30 mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) PER LED CHIP	100 mA
OPERATING TEMPERATURE RANGE	-25°C TO $+85^{\circ}\text{C}$
STORAGE TEMPERATURE RANGE	-25°C TO $+100^{\circ}\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	260°C FOR 3 SEC.

Electrical/optical characteristics at $T_A=25^{\circ}\text{C}$

PART NUMBER	LED CHIP		FACE COLOR		PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10mA(mcd)	
	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
G020-10SS-AEW	GaAlAs ON GaAs	RED	GREY	WHITE	660	1.7	2.2	20.5	34.2
G020-10SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.4	0.9
G020-10SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.4	3.4
G020-10SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	1.1	2.8
G020-10SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	1.6	3.9
G020-10SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	1.6	3.9

Package Dimensions And Pin Function



PIN NO. FUNCTION	
1. A ANODE	11. J CATHODE
2. B ANODE	12. I CATHODE
3. C ANODE	13. H CATHODE
4. D ANODE	14. G CATHODE
5. E ANODE	15. F CATHODE
6. F ANODE	16. E CATHODE
7. G ANODE	17. D CATHODE
8. H ANODE	18. C CATHODE
9. I ANODE	19. B CATHODE
10. J ANODE	20. A CATHODE

1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS $\pm 0.25\text{mm}$ UNLESS OTHERWISE NOTED.

2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^{\circ}\text{MAX}$.