FEMA ELECTRONICS CORPORATION

5 SEGMENT LED BARGRAPH

FEMA P/N: G020- 05SX-AXX

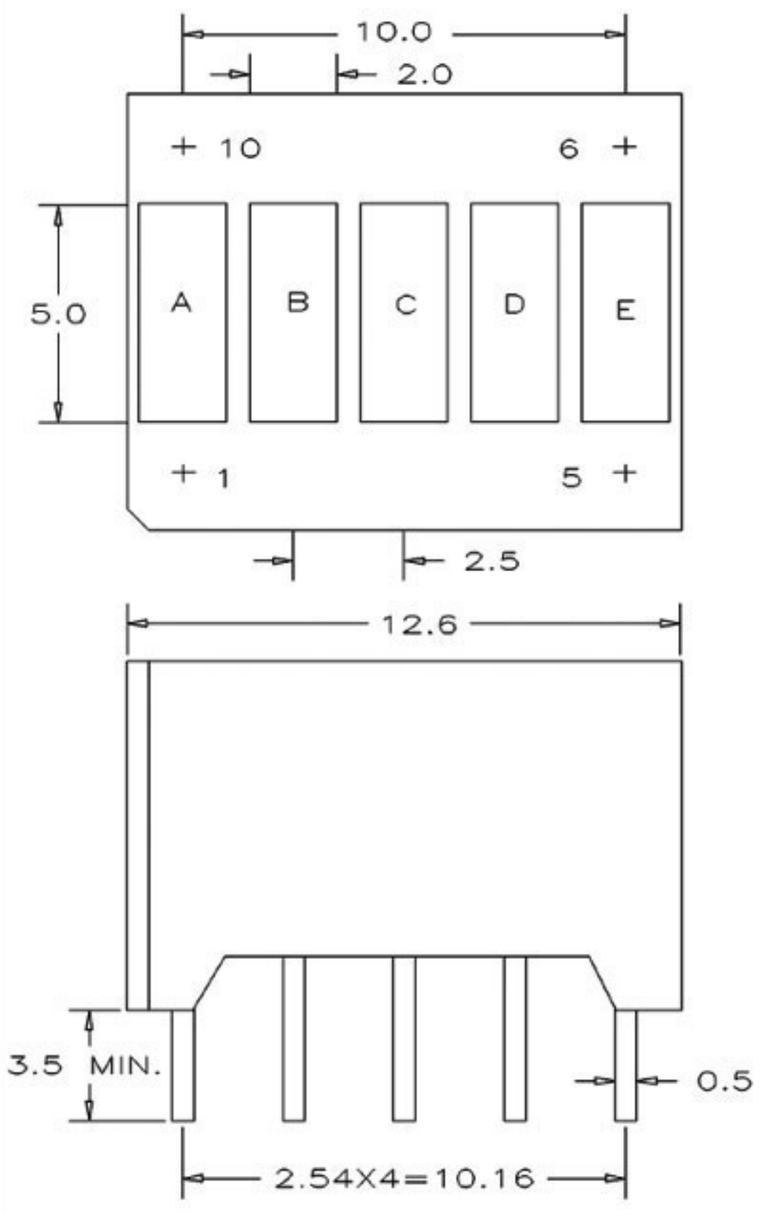
Absolute Maximum Ratings at T_A=25℃

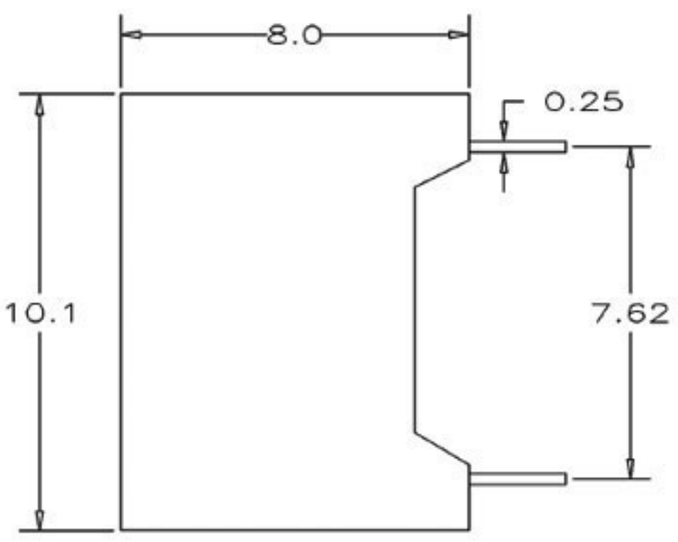
REVERSE VOLTAGE PER LED CHIP (≈100μ A)	GaAsP RED 3.0V, OTHER 5.0V
D.C. FORWARD CURRENT PER LED CHIP	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP	100 mA
OPERATING TEMPERATURE RANGE	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)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

Electrical/optical characteristics at T_A=25℃

PART NUMBER	LED CHIP		FACE COLOR		PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)	
	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
G020-05SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	1.2	2.0
G020-05SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	2.6	4.6	7.7
G020-05SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	3.8	6.3
G020-05SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	5.3	8.8
G020-05SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	5.3	8.8

Package Dimensions And Pin Function





PIN NO. FUNCTION
1.A ANODE
2.B ANODE
3.C ANODE
4.D ANODE
5.E ANODE
6.E CATHODE
7.D CATHODE
8.C CATHODE
9.B CATHODE
10.A CATHODE

1.ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.

2.THE SLOPE ANGLE OF ANY PIN MAY BE ±5.0°MAX.