FEMA ELECTRONICS CORPORATION

1.0" ALPHANUMERIC DISPLAY

FEMA P/N: AA(C)10-100SX-AEW

Features

* LOW CURRENT REQUIREMENTS
* EXCELLENT CHARACTER APPERANCE
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

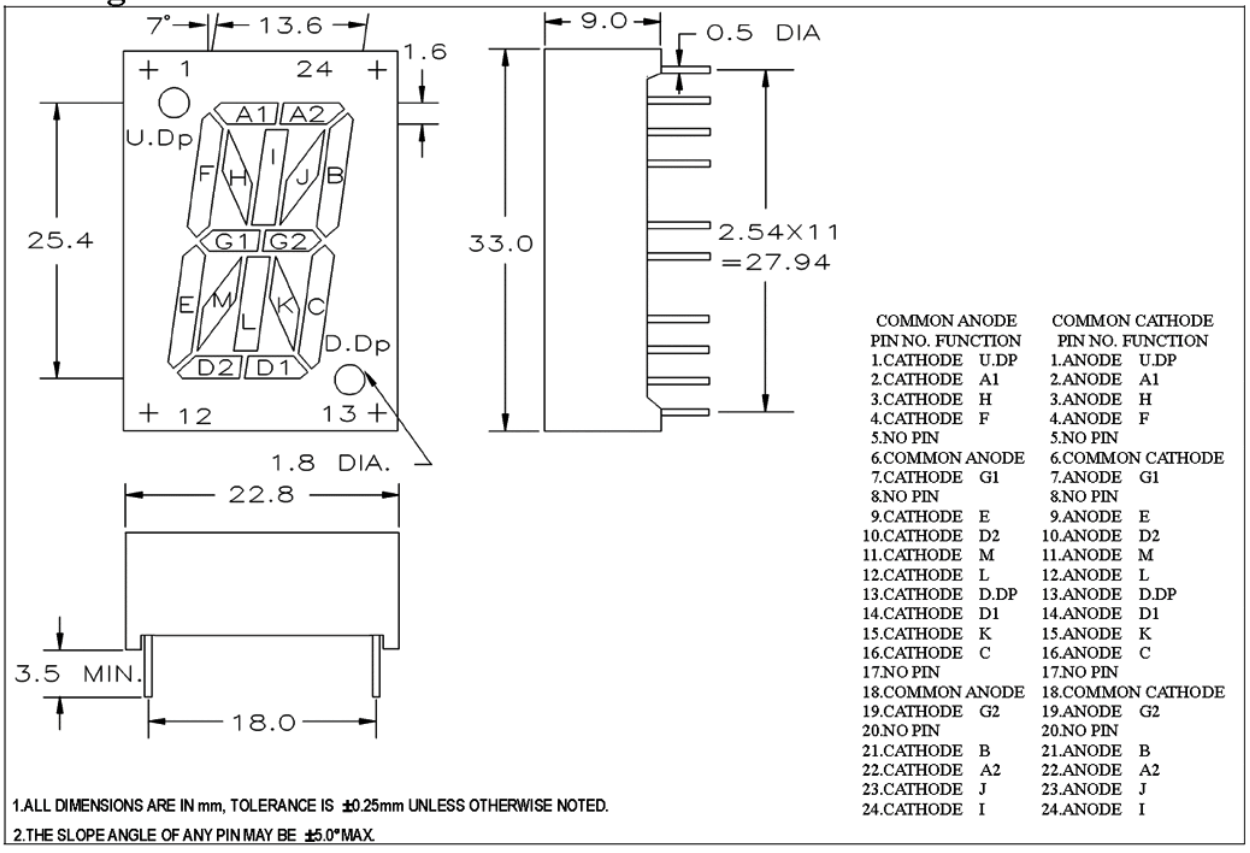
Absolute Maximum Ratings at T_A=25℃

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 @10(mcd)	
COMMON ANODE	COMMON CATHODE	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		SEG.	DP.		
							TYP.	MAX.	MIN.	TYP.
AA10-100SR-AEW	AC10-100SR-AEW	GaP	RED	GREY	WHITE	700	4.2	2.1	0.7	1.2
AA10-100SG-AEW	AC10-100SG-AEW	GaP	GREEN	GREY	WHITE	567	4.2	2.1	2.8	4.6
AA10-100SY-AEW	AC10-100SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	4.2	2.1	2.2	3.7
AA10-100SO-AEW	AC10-100SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	4.2	2.1	3.1	5.2
AA10-100SH-ARR	AC10-100SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	4.2	2.1	3.1	15.2

Package Dimensions And Pin Function



COMMON ANODE PIN NO.	FUNCTION	COMMON CATHODE PIN NO.	FUNCTION
1	CATHODE U.DP	1	ANODE U.DP
2	CATHODE A1	2	ANODE A1
3	CATHODE H	3	ANODE H
4	CATHODE F	4	ANODE F
5	NO PIN	5	NO PIN
6	COMMON ANODE	6	COMMON CATHODE
7	CATHODE G1	7	ANODE G1
8	NO PIN	8	NO PIN
9	CATHODE E	9	ANODE E
10	CATHODE D2	10	ANODE D2
11	CATHODE M	11	ANODE M
12	CATHODE L	12	ANODE L
13	CATHODE D.DP	13	ANODE D.DP
14	CATHODE D1	14	ANODE D1
15	CATHODE K	15	ANODE K
16	CATHODE C	16	ANODE C
17	NO PIN	17	NO PIN
18	COMMON ANODE	18	COMMON CATHODE
19	CATHODE G2	19	ANODE G2
20	NO PIN	20	NO PIN
21	CATHODE B	21	ANODE B
22	CATHODE A2	22	ANODE A2
23	CATHODE J	23	ANODE J
24	CATHODE I	24	ANODE I

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.