FEMA ELECTRONICS CORPORATION

0.8" SINGLE DIGIT DISPLAY

FEMA P/N: DA(C)10-080SX-FXX

Features

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

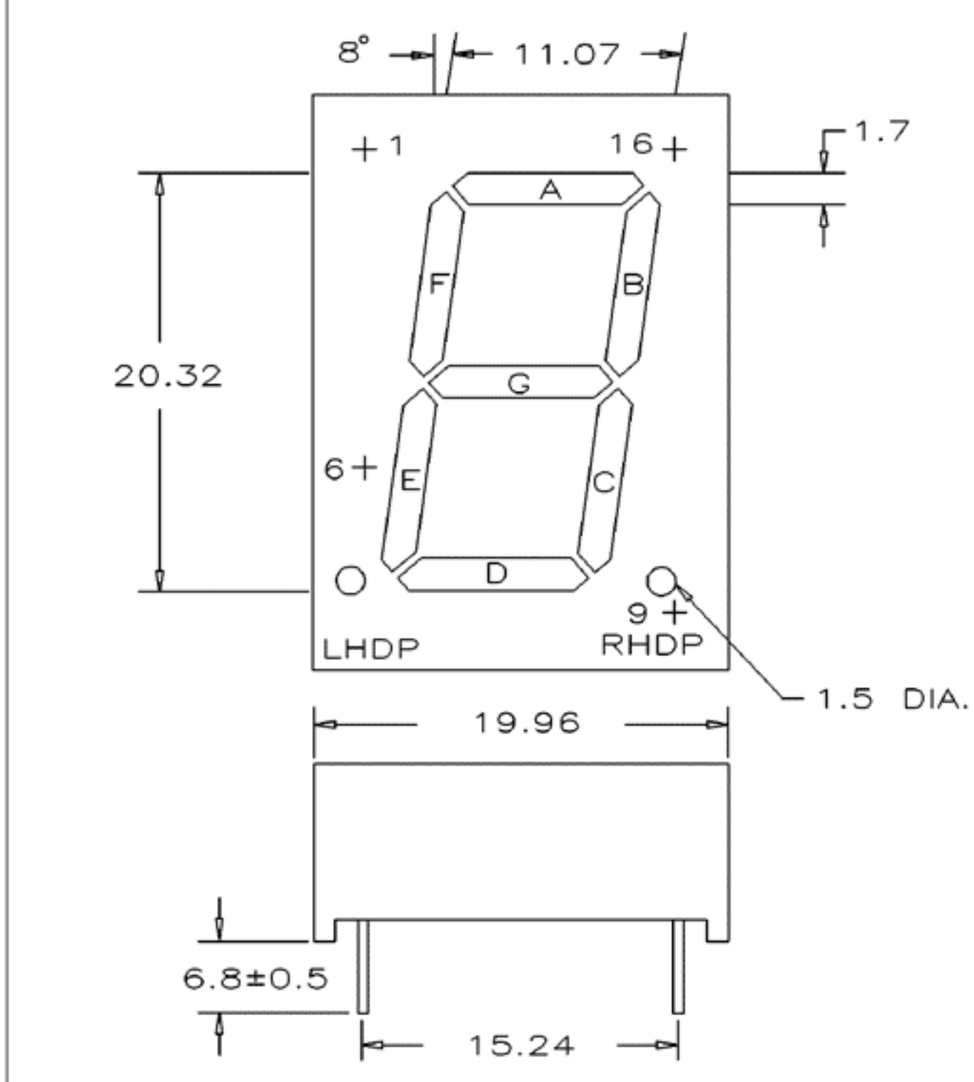
Absolute Maximum Ratings at T_A=25℃

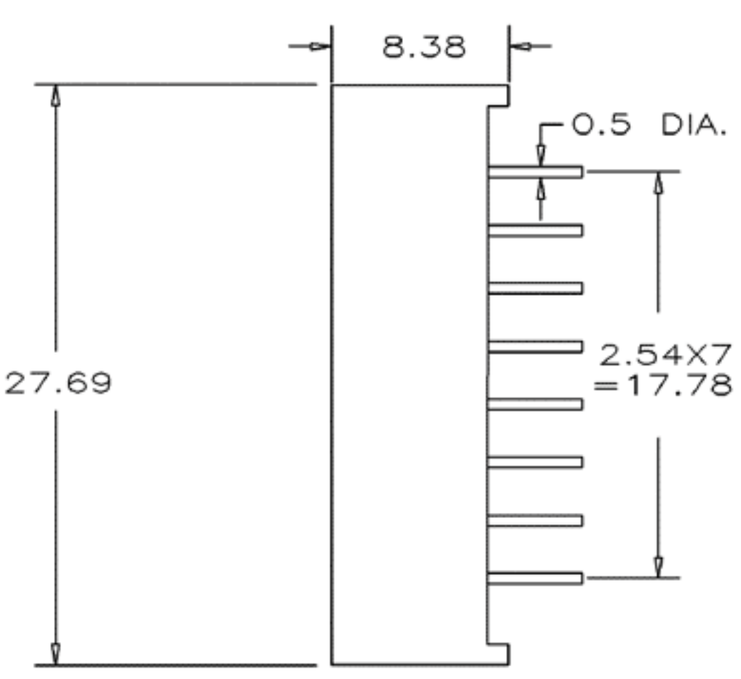
REVERSE VOLTAGE PER LED CHIP (<100μ A)	GaAsP RED 3.0V, OTHER 5.0V
D.C. FORWARD CURRENT PER LED CHIP	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP	100 mA
OPERATING TEMPERATURE RANGE	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	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 @10mA(mcd)	
COMMON ANODE	COMMON CATHODE	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
DA10-080SR-FEW	DC10-080SR-FEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.6	1.0
DA10-080SG-FEW	DC10-080SG-FEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	2.0	3.3
DA10-080SY-FEW	DC10-080SY-FEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	1.6	2.7
DA10-080SO-FEW	DC10-080SO-FEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	2.3	3.8
DA10-080SH-FRR	DC10-080SH-FRR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	2.3	3.8

Package Dimensions And Pin Function





COMMON ANODE PIN NO.	FUNCTION	COMMON CATHODE PIN NO.	FUNCTION
1	CATHODE A	1	ANODE A
2	CATHODE F	2	ANODE F
3	COMMON ANODE	3	COMMON CATHODE
4	CATHODE E	4	ANODE E
5	COMMON ANODE	5	COMMON CATHODE
6	CATHODE LHDP	6	ANODE LHDP
7	NO PIN	7	NO PIN
8	NO PIN	8	NO PIN
9	CATHODE RHDP	9	ANODE RHDP
10	CATHODE D	10	ANODE D
11	COMMON ANODE	11	COMMON CATHODE
12	CATHODE C	12	ANODE C
13	CATHODE G	13	ANODE G
14	CATHODE B	14	ANODE B
15	NO PIN	15	NO PIN
16	COMMON ANODE	16	COMMON 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.