FEMA ELECTRONICS CORPORATION

0.56" THREE DIGIT DISPLAY
(DIRECT DRIVE)

FEMA P/N: DA(C)30-056SX-AXX

Features

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

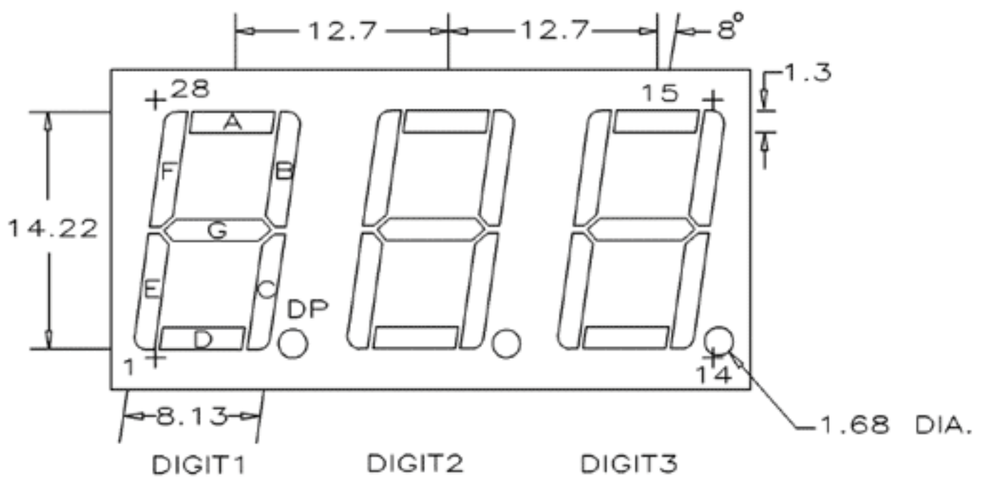
Absolute Maximum Ratings at T_A=25℃

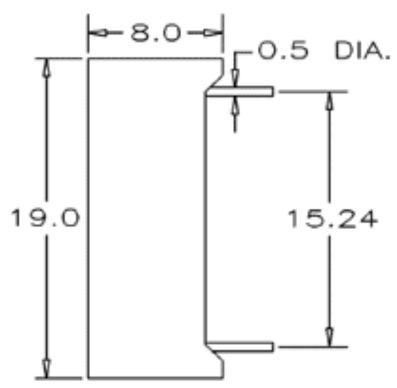
REVERSE VOLTAGE PER LED CHIP (<100μ A)	GaAsP RED 3.0V, OTHER 5.0V
D.C. FORWARD CURRENT PER LED CHIP	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP	100 mA
OPERATING TEMPERATURE RANGE	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	260℃ FOR 5 SEC.

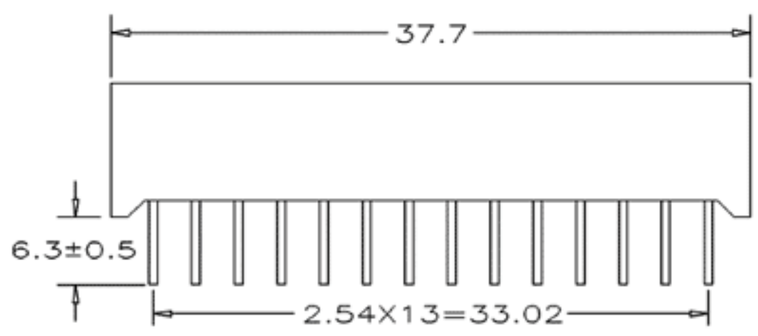
Electrical/optical characteristics at T_A=25℃

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.
DA30-056SR-AEW	DC30-056SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.3	0.8
DA30-056SG-AEW	DC30-056SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.2	2.9
DA30-056SY-AEW	DC30-056SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	0.9	2.3
DA30-056SO-ABW	DC30-056SO-ABW	GaAsP ON GaP	ORANGE	BLACK	WHITE	635	2.1	3.0	1.3	3.3
DA30-056SH-ARR	DC30-056SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	1.3	3.3

Package Dimensions And Pin Function







COMMON ANODE

PIN NO.	FUNCTION	PIN NO.	FUNCTION
1	CATHODE E (DIGIT 1)	16	CATHODE A (DIGIT 3)
2	CATHODE D (DIGIT 1)	17	CATHODE F (DIGIT 3)
3	CATHODE C (DIGIT 1)	18	CATHODE G (DIGIT 3)
4	CATHODE DP (DIGIT 1)	19	CATHODE B (DIGIT 2)
5	CATHODE E (DIGIT 2)	20	CATHODE G (DIGIT 2)
6	CATHODE D (DIGIT 2)	21	DIGIT 2 COMMON ANODE
7	CATHODE C (DIGIT 2)	22	CATHODE A (DIGIT 2)
8	DIGIT 2 COMMON ANODE	23	CATHODE F (DIGIT 2)
9	CATHODE DP (DIGIT 2)	24	CATHODE B (DIGIT 1)
10	CATHODE E (DIGIT 3)	25	CATHODE G (DIGIT 1)
11	CATHODE D (DIGIT 3)	26	DIGIT 1 COMMON ANODE
12	CATHODE C (DIGIT 3)	27	CATHODE A (DIGIT 1)
13	CATHODE DP (DIGIT 3)	28	CATHODE F (DIGIT 1)
14	CATHODE B (DIGIT 3)		
15	DIGIT 3 COMMON ANODE		

COMMON CATHODE

PIN NO.	FUNCTION
1	ANODE E (DIGIT 1)
2	ANODE D (DIGIT 1)
3	DIGIT 1 COMMON CATHODE
4	ANODE C (DIGIT 1)
5	ANODE DP (DIGIT 1)
6	ANODE E (DIGIT 2)
7	ANODE D (DIGIT 2)
8	ANODE C (DIGIT 2)
9	ANODE DP (DIGIT 2)
10	ANODE E (DIGIT 3)
11	ANODE D (DIGIT 3)
12	ANODE G (DIGIT 3)
13	ANODE C (DIGIT 3)
14	ANODE DP (DIG IT 3)
15	ANODE B (DIGIT 3)
16	ANODE A (DIGIT 3)
17	ANODE F (DIGIT 3)
18	DIGIT 3 COMMON CATHODE
19	DIGIT 2 COMMON CATHODE
20	ANODE B (DIGIT 2)
21	ANODE A (DIGIT 2)
22	ANODE G (DIGIT 2)
23	ANODE F (DIGIT 2)
24	ANODE B (DIGIT 1)
25	ANODE A (DIGIT 1)
26	DIGIT 1 COMMON CATHODE
27	ANODE F (DIGIT 1)
28	ANODE G (DIGIT 1)

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.