FEMA ELECTRONICS CORPORATION

0.5" DUAL DIGIT DISPLAY

FEMA P/N: DA(C)20-050SX-FXX

Feature

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

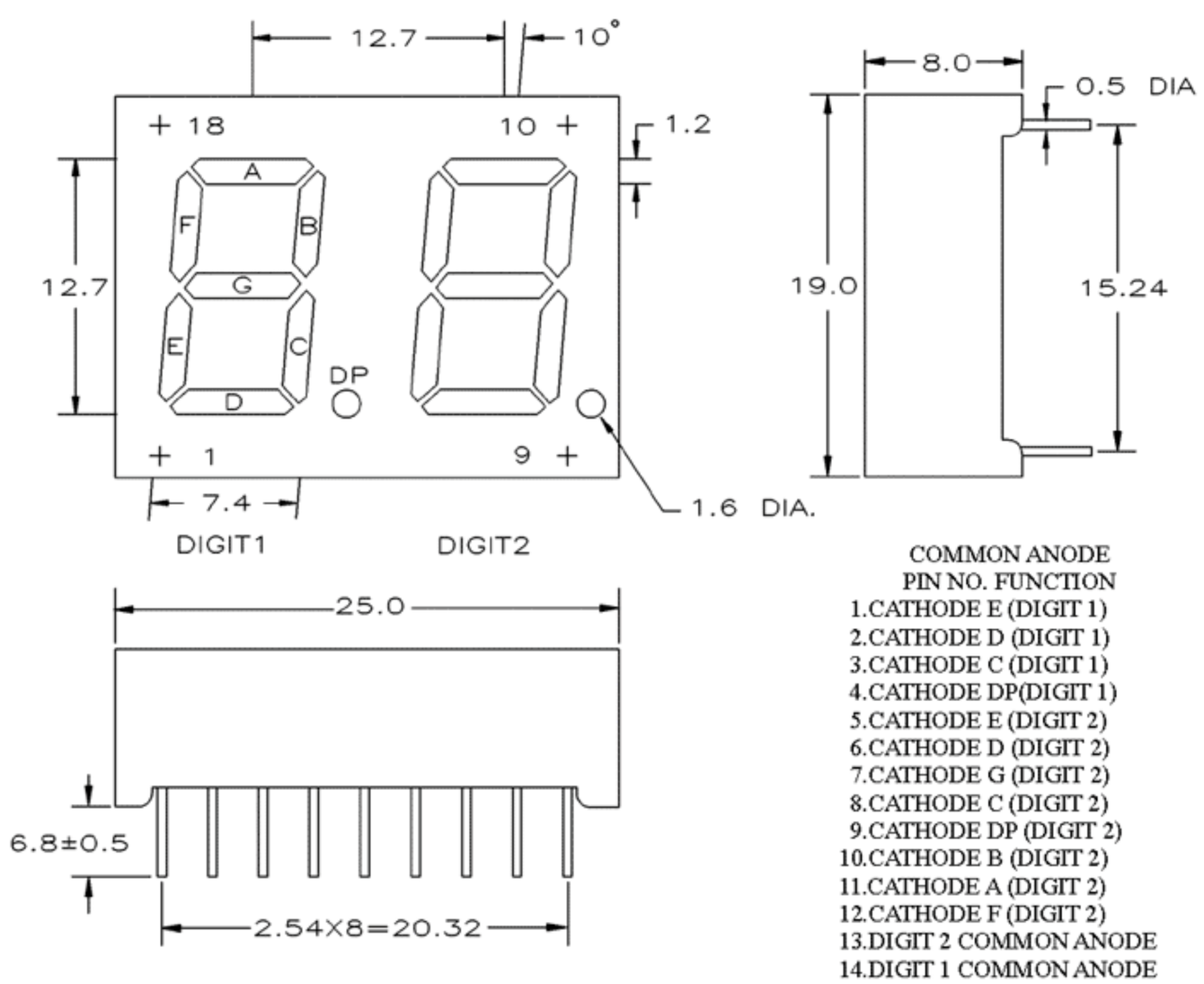
Absolute Maximum Ratings at T_A=25℃

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.
DA20-050SR-FBW	DC20-050SR-FBW	GaP	RED	BLACK	WHITE	700	2.1	3.0	0.2	0.8
DA20-050SG-FBW	DC20-050SG-FBW	GaP	GREEN	BLACK	WHITE	567	2.1	3.0	1.7	2.9
DA20-050SY-FBW	DC20-050SY-FBW	GaAsP ON GaP	YELLOW	BLACK	WHITE	585	2.1	3.0	1.4	2.3
DA20-050SO-FBW	DC20-050SO-FBW	GaAsP ON GaP	ORANGE	BLACK	WHITE	635	2.1	3.0	2.0	3.3
DA20-050SH-FRR	DC20-050SH-FRR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	2.0	3.3

Package Dimensions And Pin Function



COMMON ANODE PIN NO. FUNCTION	COMMON CATHODE PIN NO. FUNCTION
1.CATHODE E (DIGIT 1)	1.ANODE E (DIGIT 1)
2.CATHODE D (DIGIT 1)	2.ANODE D (DIGIT 1)
3.CATHODE C (DIGIT 1)	3.ANODE C (DIGIT 1)
4.CATHODE DP(DIGIT 1)	4.ANODE DP(DIGIT 1)
5.CATHODE E (DIGIT 2)	5.ANODE E (DIGIT 2)
6.CATHODE D (DIGIT 2)	6.ANODE D (DIGIT 2)
7.CATHODE G (DIGIT 2)	7.ANODE G (DIGIT 2)
8.CATHODE C (DIGIT 2)	8.ANODE C (DIGIT 2)
9.CATHODE DP (DIGIT 2)	9.ANODE DP (DIGIT 2)
10.CATHODE B (DIGIT 2)	10.ANODE B (DIGIT 2)
11.CATHODE A (DIGIT 2)	11.ANODE A (DIGIT 2)
12.CATHODE F (DIGIT 2)	12.ANODE F (DIGIT 2)
13.DIGIT 2 COMMON ANODE	13.DIGIT 2 COMMON CATHODE
14.DIGIT 1 COMMON ANODE	14.DIGIT 1 COMMON CATHODE
15.CATHODE B (DIGIT 1)	15.ANODE B (DIGIT 1)
16.CATHODE A (DIGIT 1)	16.ANODE A (DIGIT 1)
17.CATHODE G (DIGIT 1)	17.ANODE G (DIGIT 1)
18.CATHODE F (DIGIT 1)	18.ANODE F (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.