FEMA ELECTRONICS CORPORATION

4.0" 5X7 DOT MATRIX DISPLAY

FEMA P/N: MA(C)10-400SX-CXX

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)	
CATHODE ROW	ANODE ROW	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
MC10-400SR-CEW	MA10-400SR-CEW	GaP	RED	GREY	WHITE	700	4.2	6.0	1.1	1.8
MC10-400SG-CEW	MA10-400SG-CEW	GaP	GREEN	GREY	WHITE	567	4.2	5.2	4.1	6.8
---	---	GaAsP ON GaP	YELLOW	---	---	585	---	---	---	---
MC10-400SO-CEW	MA10-400SO-CEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	4.2	6.0	4.7	7.8
MC10-400SH-CEW	MA10-400SH-CEW	GaAsP ON GaP	HI-EFF RED	RED	RED	635	4.2	6.0	4.7	7.8

Package Dimensions And Pin Function

CATHODE ROW PIN NO.	FUNCTION
1	CATHODE ROW 5
2	CATHODE ROW 7
3	ANODE COLUMN 2
4	ANODE COLUMN 3
5	CATHODE ROW 4
6	ANODE COLUMN 5
7	CATHODE ROW 6
8	CATHODE ROW 3
9	CATHODE ROW 1
10	ANODE COLUMN 4
11	ANODE COLUMN 3
12	CATHODE ROW 4
13	ANODE COLUMN 1
14	CATHODE ROW 2

CATHODE ROW PIN NO.	FUNCTION
1	ANODE ROW 5
2	ANODE ROW 7
3	CATHODE COLUMN 2
4	CATHODE COLUMN 3
5	ANODE ROW 4
6	CATHODE COLUMN 5
7	ANODE ROW 6
8	ANODE ROW 3
9	ANODE ROW 1
10	CATHODE COLUMN 4
11	CATHODE COLUMN 3
12	ANODE ROW 4
13	CATHODE COLUMN 1
14	ANODE ROW 2

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.