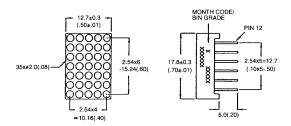
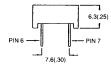




HER GMA 7175C GMC 7175C **YELLOW GMA 7475C GMC 7475C GREEN GMA 7975C GMC 7975C**

PACKAGE DIMENSIONS





ST2618

NOTES:

- ALL PINS ARE θ0.5 (.02).
 DIMENSION IN MILLIMETERS (INCH), **TOLERANCE IS 0.25 (.01) UNLESS** OTHERWISE NOTED.

DESCRIPTION

The GMX7X75C series are 0.7" (17.2mm) matrix height 5 X 7 dot matrix displays. All these parts are available in grey face and white dot color.

The X in GMX denotes row anode or row cathode.

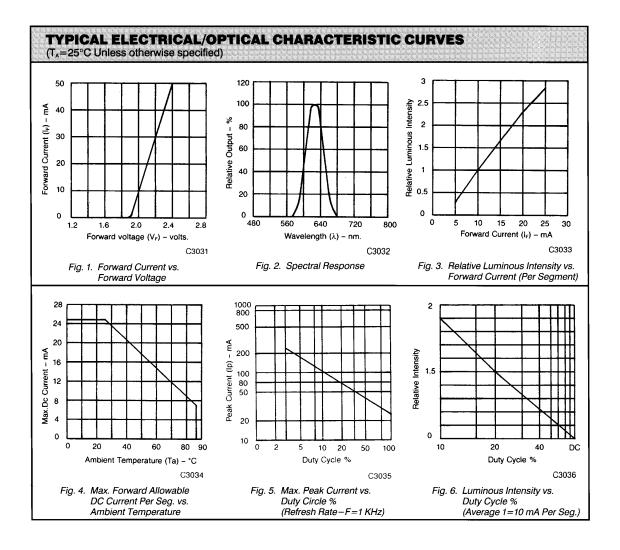
FEATURES

- 0.7" (17.8mm) matrix height
- Choice of 3 colors green, yellow and HER
- Low power consumption
- 5×7 array with X-Y select
- Stackable vertically and horizontally
- Choice of 2 matrix orientation cathode column or anode column
- Easy mounting on PCB or sockets
- Categorized for luminous intensity

	YELLOW	HER	GREEN	UNITS
Power dissipation per dot	60	70	75	mW
Peak forward current per dot	80	100	100	mA
Continuous I _F per dot	20	25	25	mA
Reverse voltage per dot	5	5	5	V

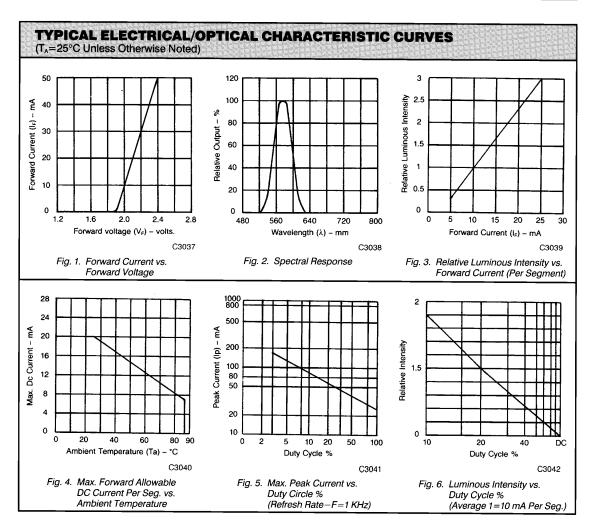


ELECTRICAL/OPTICAL CH GMX 7175C (HER)	ARACTERISTIC	ACTERISTICS (T _A =25°C Unless otherwise specified)			
PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μ cd	$I_F=20 \text{ mA}$
Peak emission wavelength		635		nm	I _F =20 mA
Spectral line half-width		40		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	V	I _F =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5V

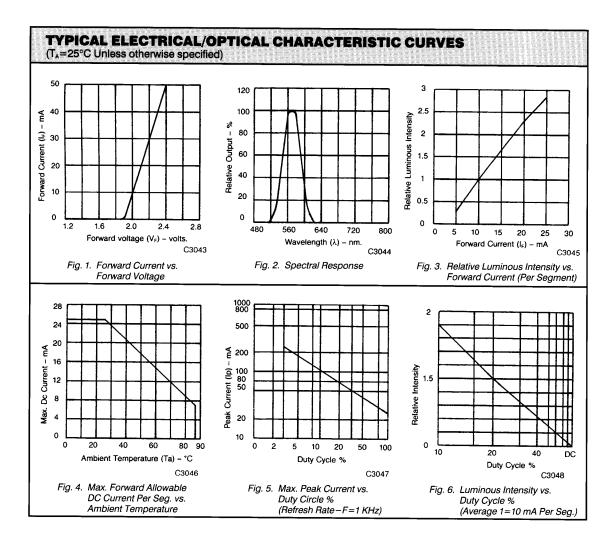




ELECTRICAL/OPTICAL CHA GMX 7475C (YELLOW)	RACTERISTIC	ERISTICS (T _A =25°C Unless otherwise specified)			
PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength	<u> </u>	585	-	nm	I _F =20 mA
Spectral line half-width		35	-	nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	V	I _F =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5V



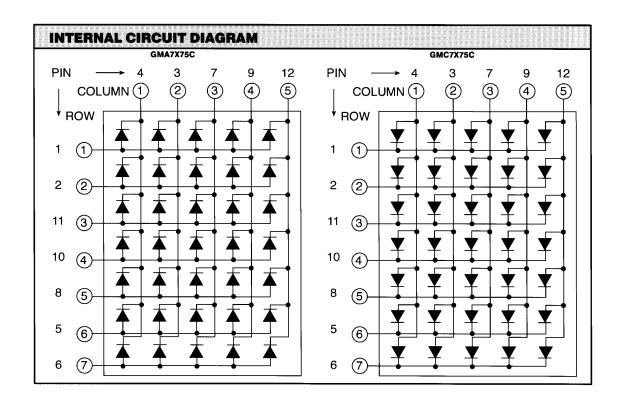
ELECTRICAL/OPTICAL CH GMX 7975C (GREEN)	IARACTERISTIC	ACTERISTICS (T _A =25°C Unless otherwise specified)			
PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength	<u> </u>	565		nm	I _F =20 mA
Spectral line half-width		30		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	٧	I ₌ =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5V





$\begin{array}{c} \textbf{0.7}'' \ \textbf{5} \times \textbf{7} \\ \textbf{DOT MATRIX DISPLAYS} \end{array}$

PIN NO.	GMA7X75C	GMC7X75C
1	Anode row 1	Cathode row 1
2	Anode row 2	Cathode row 2
3	Cathode column 2	Anode column 2
4	Cathode column 1	Anode column 1
5	Anode row 6	Cathode row 6
6	Anode row 7	Cathode row 7
7	Cathode column 3	Anode column 3
8	Anode row 5	Cathode row 5
9	Cathode column 4	Anode column 4
10	Anode row 4	Cathode row 4
11	Cathode row 3	Anode row 3
12	Cathode row 5	Anode row 5





0.7" 5 x 7 DOT MATRIX DISPLAYS

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

- Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
- A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.