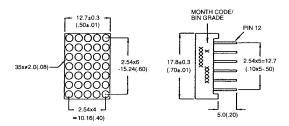
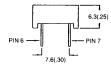




HER GMA 7175C GMC 7175C **YELLOW GMA 7475C GMC 7475C GREEN GMA 7975C GMC 7975C**

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.

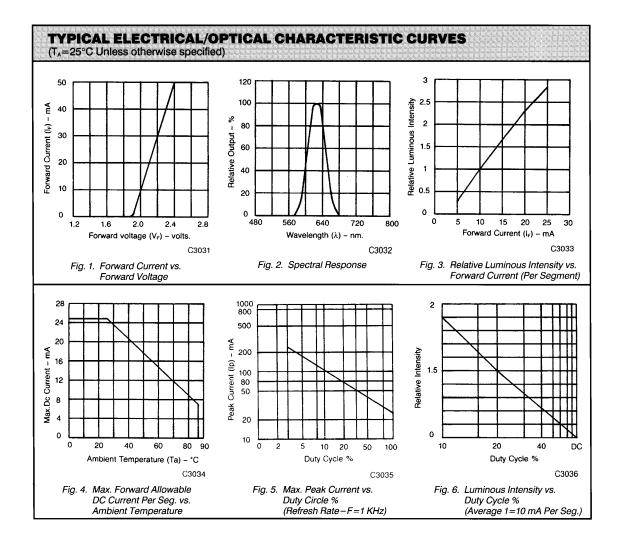
FEATURES

- 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 (Duty cycle 1/10, 10KHz)	80	100	100	mA
Continuous I _F per dot	20	25	25	mA
Reverse voltage per dot	5	5	5	V

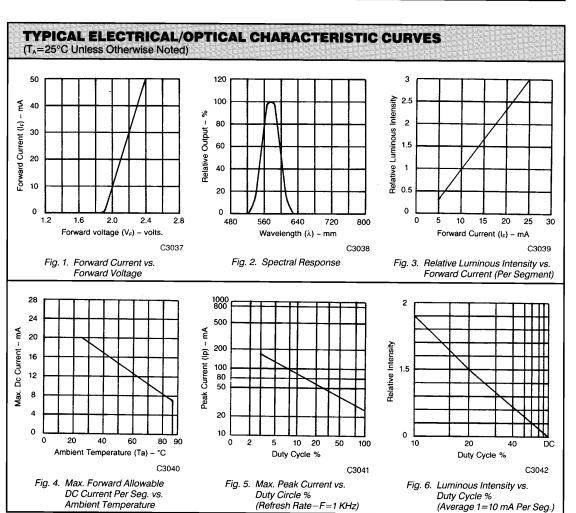


ELECTRICAL/OPTICAL CHARACTERISTICS (T _A =25°C Unless otherwise spec					ecified)
PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μ cd	$I_F=20 \text{ mA}$
Peak emission wavelength		635		nm	I _F =20 mA
Spectral line half-width		40		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	٧	l _F =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5V



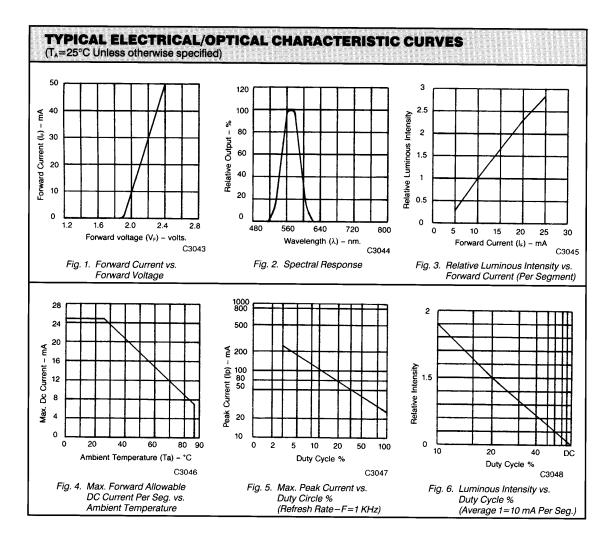


ELECTRICAL/OPTICAL CH GMX 7475C (YELLOW)	CTRICAL/OPTICAL CHARACTERISTICS (T _A =25°C Unless otherwise spec (7475C (YELLOW)				
PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		585		nm	I _F =20 mA
Spectral line half-width		35	-	nm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



0.7" 5×7 DOT MATRIX DISPLAYS

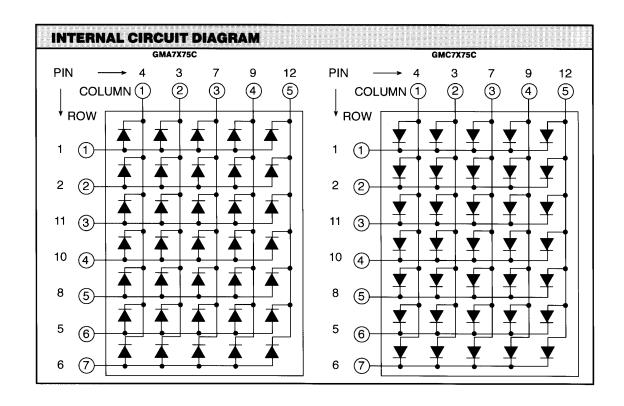
ELECTRICAL/OPTICAL CH GMX 7975C (GREEN)	IARACTERISTIC	S (T ₄ =25°(C Unless o	therwise sp	ecified)
PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		565		nm	I _F =20 mA
Spectral line half-width		30		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	٧	I _F =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
PIN NO.	GMA/A/SC	GMC/X/5C
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

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- 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.