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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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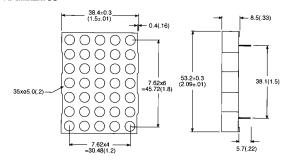


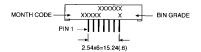


YELLOW GMA 2875C GMC 2875C HER GMA 2975C GMC 2975C GREEN GMA 2475C GMC 2475C BICOLOR RED/GREEN GMA 2675C

PACKAGE DIMENSIONS

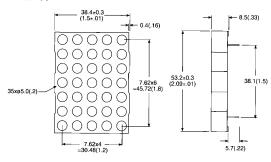
A. GMX2X75C

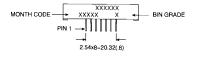




ST2639

B. GMA2675C





ST2640

NOTES:

- 1. ALL PINS ARE θ0.5 (.02).
- 2. DIMENSIONS IN MILLIMETERS (INCH), TOLERANCE IS ±0.25 (.01) UNLESS OTHERWISE NOTED.

DESCRIPTION

These are 5×7 dot matrix displays with large emitting area (0.2" diameter) LED sources. The GMX2X75C series are single color displays with the exception of GMA2675C which is a bicolor of red/green displays.

All displays have gray face and white dot color. Other face or dot colors are available with minimum requirement.

The X in GMX denotes row anode or row cathode.

FEATURES

- 2.0" (50.7 mm) character height
- Low power requirement
- High contrast & brightness
- Wide viewing angle 130°
- 5 × 7 array with X-Y select
- Compatible with USASCII and EBCDIC codes
- X-Y stackable
- Choice of two matrix orientation anode or cathode column
- Easy mounting on PCB
- Categorized for luminous intensity
- Single color displays have the choice of 3 bright colors
 yellow/orange/green
- Multicolor color displays are applicable to 3 bright colors — greens, orange (HER) and yellow (green and HER mixed)



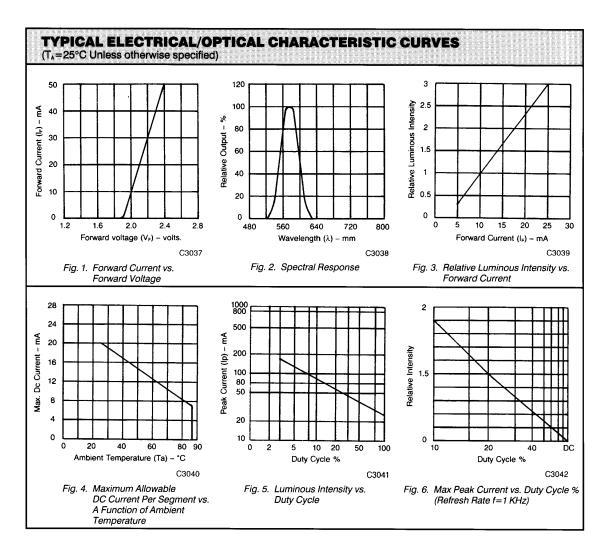
$\textbf{2.0}'' \ \textbf{5} \times \textbf{7}$ DOT MATRIX DISPLAYS

PARAMETER	YELLOW	HER	GREEN	UNITS
Power dissipation per dot/color	60	70	75	mW
Peak forward current per dot/color				
(duty cycle 1/10, 10KHz)	80	100	100	mA
Continuous I _F per dot/color	20	25	25	mA
Reverse voltage V _B per dot/color	5	5	5	V

	PAR	Γ NO.				INTERNAL
YELLOW	HER	GREEN	MULTI- COLOR	DESCRIPTION	PACKAGE DIMENSION	CIRCUIT DIAGRAM
GMC2875C	GMC2975C	GMC2475C		Anode column, cathode row	Α	Α
GMA2875C	GMA2975C	GMA2475C		Cathode column, anode row	Α	В
			GMA2675C	Cathode column, anode row	В	С

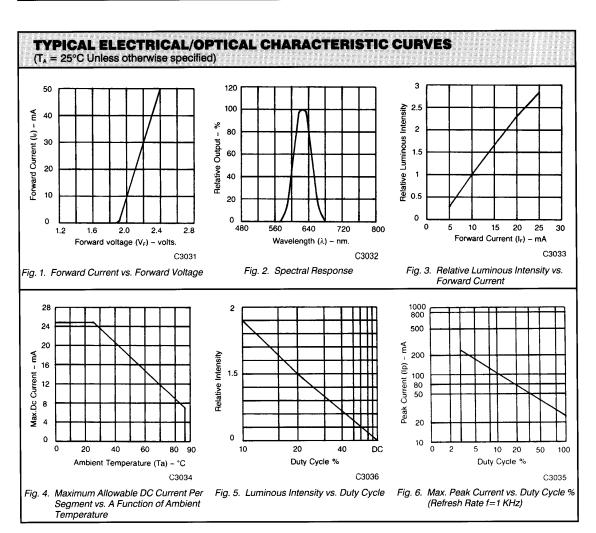


ELECTRICAL/OPTICAL CH GMX 2875C	ARACTERISTIC	S (T _A = 25°	°C Unless	otherwise s	pecified)
PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		585		nm	I ₌ =20 mA
Spectral line half-width		30		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	٧	I _F =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5 V



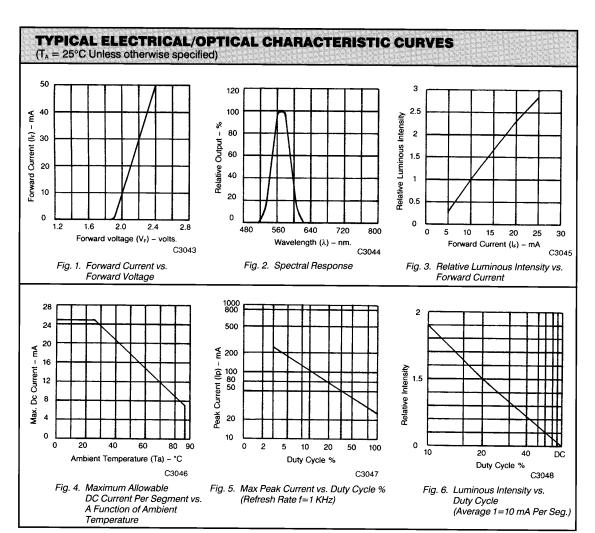
$\textbf{2.0''}~\textbf{5}\times\textbf{7}$ DOT MATRIX DISPLAYS

ELECTRICAL/OPTICAL CHA GMX 2975C	RACTERISTIC	S (T _A = 25	°C Unless	otherwise s	pecified)
PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		635		nm	I _F =20 mA
Spectral line half-width		30		nm	I _F =20 mA
Forward voltage, any dot	, d. , 200	2.1	2.8	٧	I _F =20 mA
Reverse voltage, any dot			100	μΑ	V _R =5 V





ELECTRICAL/OPTICAL CH	IARACTERISTIC	S (T _A = 25'	°C Unless	otherwise s	pecified)
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	V	I _F =20 mA
Reverse voltage, any dot		_	100	<u>μ</u> Α	V _R =5 V

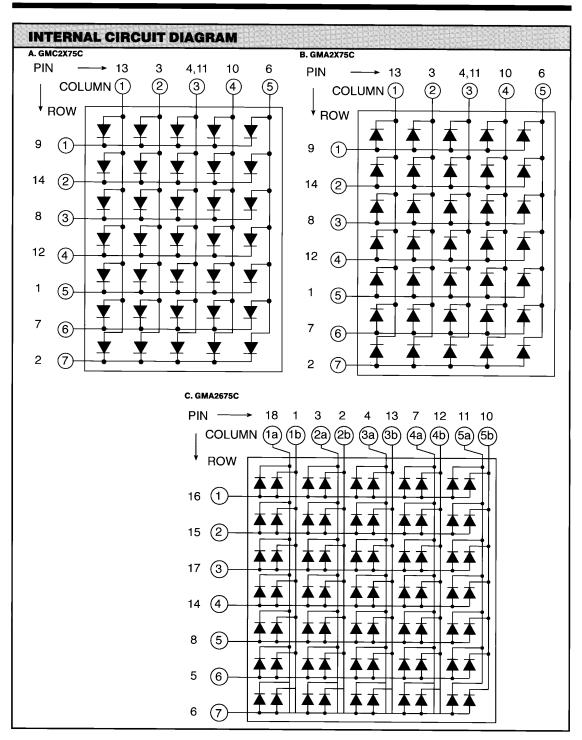




$\textbf{2.0}'' \ \textbf{5} \times \textbf{7}$ DOT MATRIX DISPLAYS

PIN NO.	GMC2X75C	GMA2X75C	GMA2675C
1	Cathode row 5	Anode row 5	Cathode column 1 green
2	Cathode row 7	Anode row 7	Cathode column 2 green
3	Anode column 2	Cathode column 2	Cathode column 2 HER
4	Anode column 3	Cathode column 3	Cathode column 3 HER
5	Cathode row 4	Anode row 4	Anode row 6
6	Anode column 5	Cathode column 5	Anode row 7
7	Cathode row 6	Anode row 6	Cathode column 4 HER
8	Cathode row 3	Anode row 3	Anode row 5
9	Cathode row 1	Anode row 1	No connection
10	Anode column 4	Cathode column 4	Cathode column 5 green
11	Anode column 3	Cathode column 3	Cathode column 5 HER
12	Cathode row 4	Anode row 4	Cathode column 4 green
13	Anode column 1	Cathode column 1	Anode column 3 green
14	Cathode row 2	Anode row 2	Anode row 4
15			Anode row 2
16			Anode row 1
17			Anode row 3
18			Cathode column 1 HER







2.0" 5 X 7 DOT MATRIX DISPLAYS

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