

YELLOW GMA 2885C GMC 2885C HER GMA 2985C GMC 2985C GREEN GMA 2485C GMC 2485C BICOLOR RED/GREEN GMA 2685C

DESCRIPTION

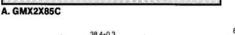
These are 5×8 dot matrix displays with large emitting area (0.2" diameter) LED sources. The GMX2X85C series are single color displays with the exception of GMA2685C which is a bicolor of red/green displays.

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

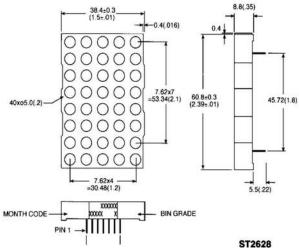
The X in GMX denotes row anode or row cathode.



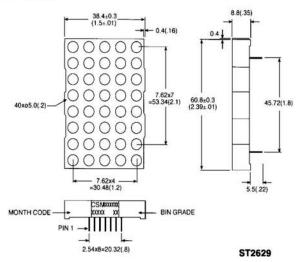
- 2.3" (58.4 mm) character height
- Low power requirement
- High contrast & brightness
- Wide viewing angle 130°
- 5 × 8 array with X-Y select
- Compatible with USASCII and EBCDIC codes
- X-Y stackable
- Choice of two matrix orientation anode or cathode column
- Easy mounting on PCB
- Categorized for 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)



PACKAGE DIMENSIONS



B. GMA2685C



NOTES:

- 1. ALL PINS ARE 00.5 (.02).
- DIMENSIONS IN MILLIMETERS (INCH), TOLERANCE IS ±0.25 (.01) UNLESS OTHERWISE NOTED.

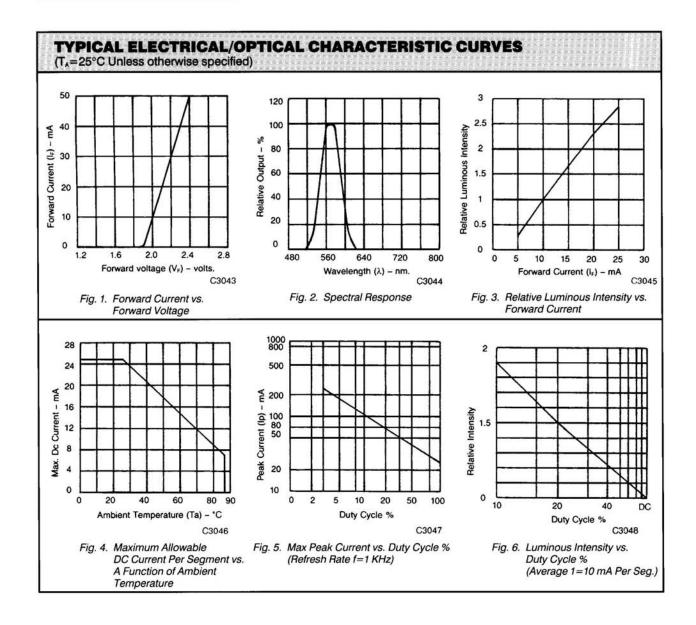


PARAMETER	YELLOW	HER	GREEN	UNITS
Power dissipation per dot/color	60	70	75	mW
(duty cycle 1/10, 10KHz)	80	100	100	mA
Continuous I _F per dot/color	20	25	25	mA
Reverse voltage V _R per dot/color	5	5	5	٧

MODEL	. NUMBE	RS				
YELLOW	PAR' HER	T NO. GREEN	MULTI- COLOR	DESCRIPTION	PACKAGE DIMENSION	INTERNAL CIRCUIT DIAGRAM
GMC2885C GMA2885C	GMC2985C GMA2985C	GMC2485C GMA2485C	GMA2685C	Anode column, cathode row Cathode column, anode row Cathode column, anode row	A A P	A B



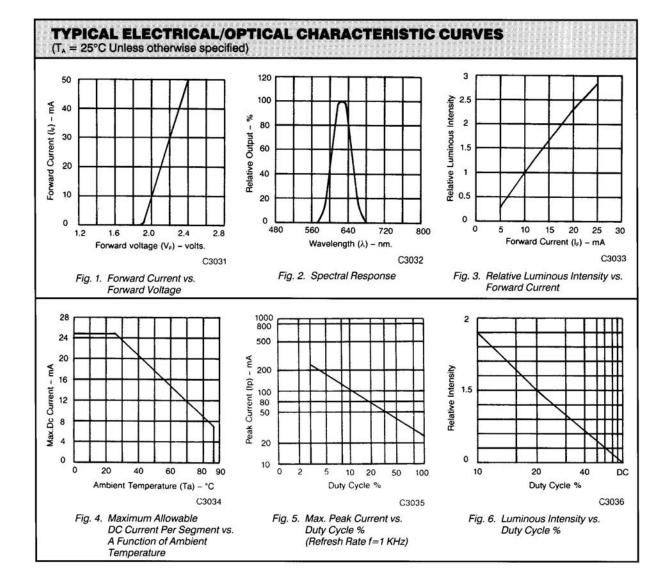
ELECTRICAL/OPTICAL CH GMX 2485C	IARACTERISTIC	S (T _A = 25	°C Unless	otherwise s	pecified)
PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		565		nm	I _F =20 mA
Spectral line half-width		30		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	v	I _F =20 mA
Reverse voltage, any dot			100	μA	V _R =5 V





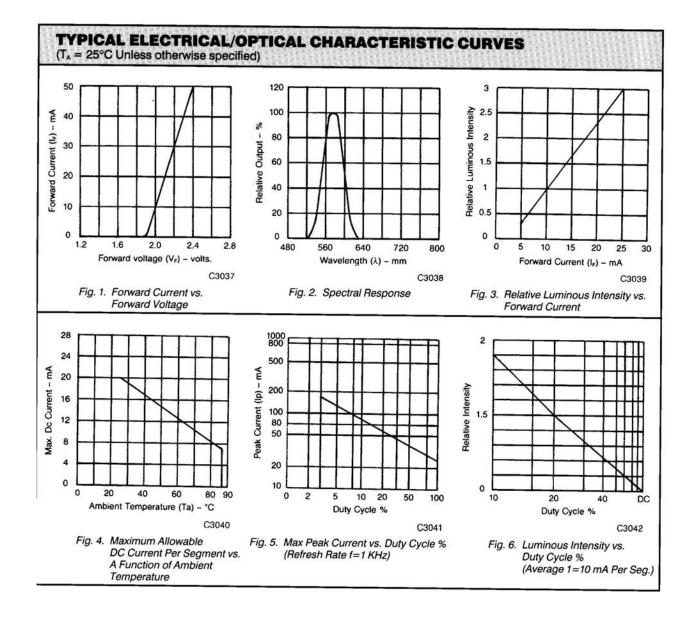
$\begin{array}{c} \textbf{2.3'' 5 \times 8} \\ \textbf{DOT MATRIX DISPLAYS} \end{array}$

ELECTRICAL/OPTICAL CH GMX 2985C	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	22	635		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	μA	V _B =5 V





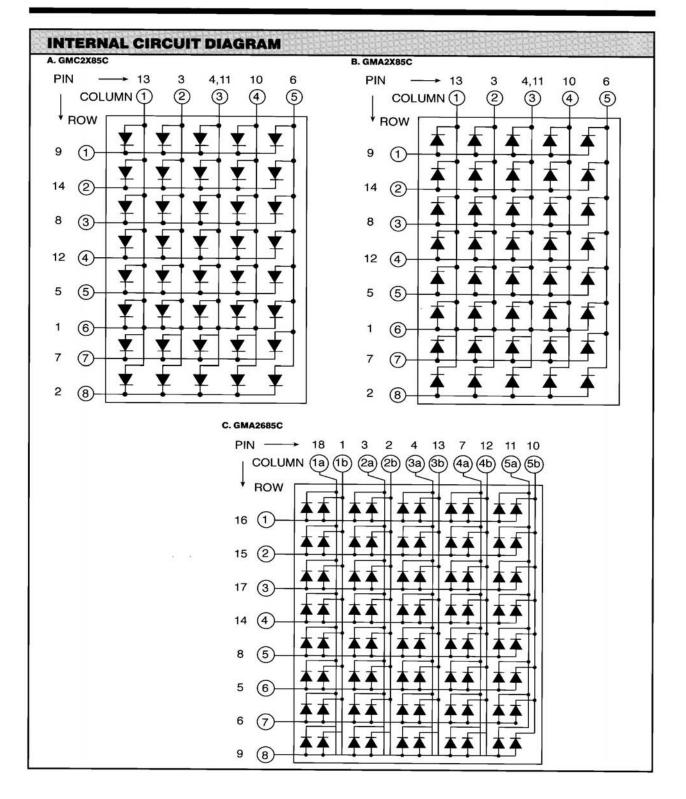
ELECTRICAL/OPTICAL CH GMX 2885C	ARACTERISTIC	S (T _A = 25	°C Unless	otherwise s	pecified)
PARAMETER	Min.	TYP.	MAX.	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		585		nm	I₌=20 mA
Spectral line half-width		30		nm	I₌=20 mA
Forward voltage, any dot		2.1	2.8	v	I _F =20 mA
Reverse voltage, any dot		2000 - 100 -	100	μΑ	V _R =5 V





PIN NO.	GMC2X85C	GMA2X85C	GMC2685C
1	Cathode row 6	Anode row 6	Cathode column 1 green
2	Cathode row 8	Anode row 8	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 5	Anode row 5	Anode row 6
6	Anode column 5	Cathode column 5	Anode row 7
7	Cathode row 7	Anode row 7	Cathode column 4 HER
8	Cathode row 3	Anode row 3	Anode row 5
9	Cathode row 1	Anode row 1	Anode row 8
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
15			Anode row 1
15			Anode row 3
15			Cathode column 1 HER







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