

HER GMA 7175CA GMC 7175CA YELLOW GMA 7475CA GMC 7475CA GREEN GMA 7975CA GMC 7975CA

DESCRIPTION

The GMX7X75CA 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.

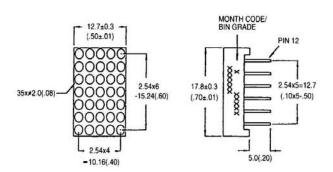
FEATURES

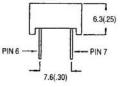
- 0.7" (17.8mm) matrix height
- Choice of 3 colors green, yellow and HER
- Low power consumption
- 5 X 7 array with X-Y select
- Stackable vertically and horizontally
- Choice of 2 matric orientation cathode column or anode column
- Easy mounting on PCB or sockets
- Categorized for luminous intensity

	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

ST2623

PACKAGE DIMENSIONS



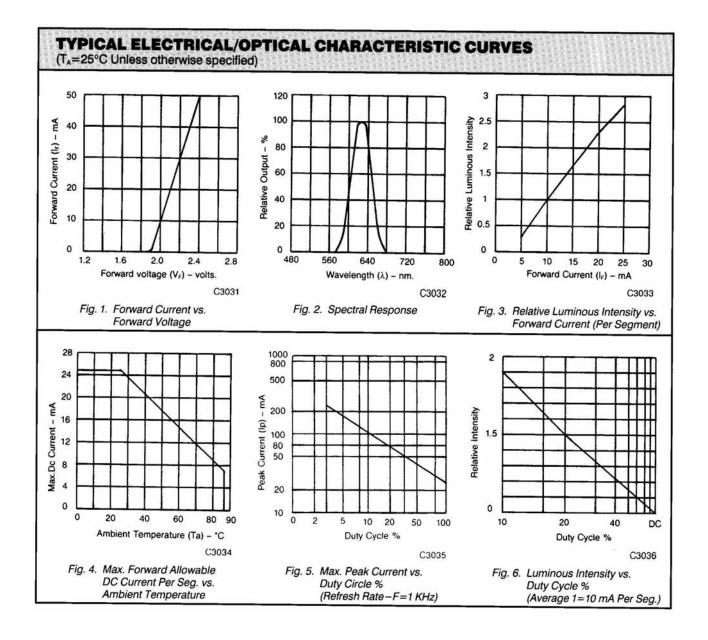


NOTES:

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

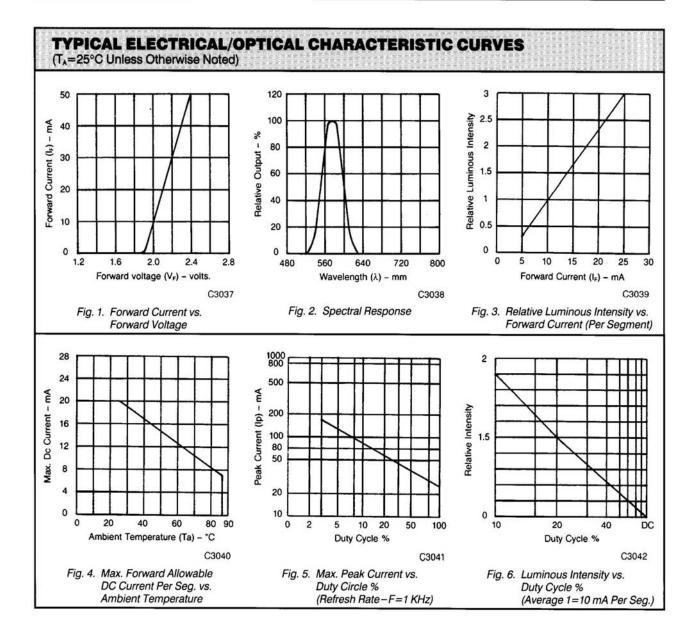


ELECTRICAL/OPTICAL CH GMX7175CA (HER)	DPTICAL CHARACTERISTICS (T ₄ =25°C Unless otherwise specified) HER)				
PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		635		nm	I _F =20 mA
Spectral line half-width		40		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	v	I _F =20 mA
Reverse voltage, any dot			100	μA	V _R =5V



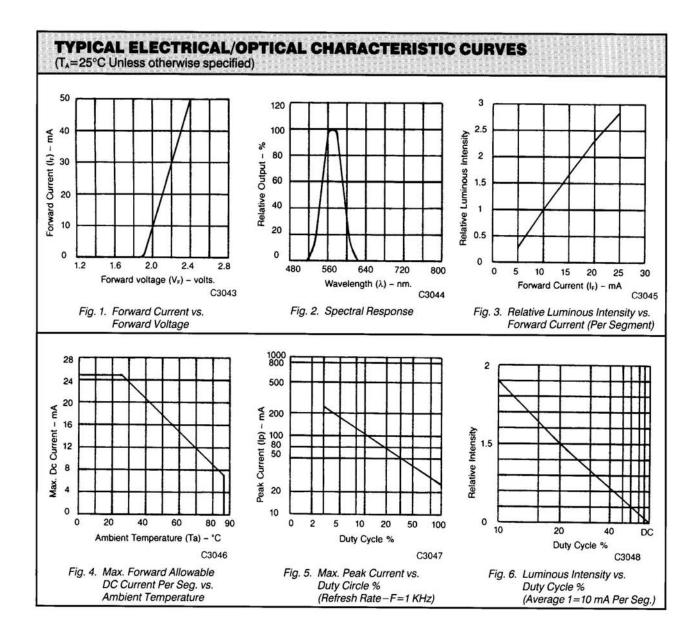


ELECTRICAL/OPTICAL CH GMX 7475CA (YELLOW)	AL CHARACTERISTICS (T _A =25°C Unless otherwise specified)				
PARAMETER	MIN	ТҮР	МАХ	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		585		nm	I _F =20 mA
Spectral line half-width		35		nm	I _F =20 mA
Forward voltage, any dot		2.1	2.8	V	I _F =20 mA
Reverse voltage, any dot			100	μA	V ₈ =5V



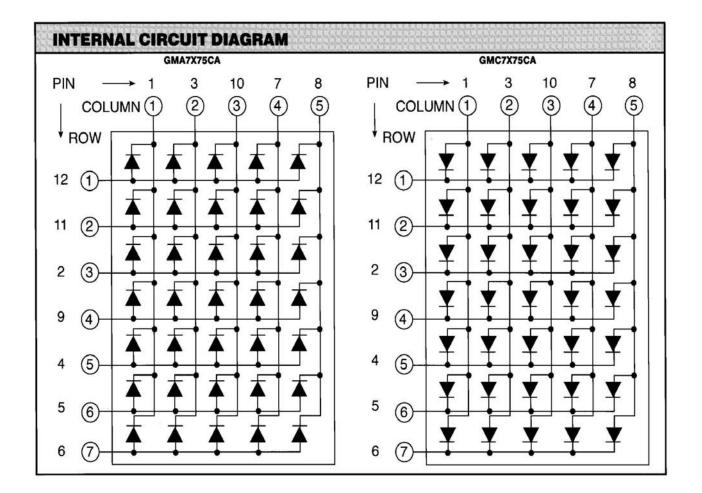


ELECTRICAL/OPTICAL CH GMX 7975CA (GREEN)	ICAL/OPTICAL CHARACTERISTICS (T ₄ =25°C Unless otherwise specified) 75CA (GREEN)				
PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I _F =20 mA
Peak emission wavelength		565		nm	I _F =20 mA
Spectral line half-width		30		nm	I⊧=20 mA
Forward voltage, any dot		2.1	2.8	v	I _F =20 mA
Reverse voltage, any dot			100	μA	V _B =5V





PIN CONNECTION				
PIN NO.	GMA7X75CA	GMC7X75CA		
1	Cathode column 1	Anode column 1		
2	Anode row 3	Cathode row 3		
3	Cathode column 2	Anode column 2		
4	Anode row 5	Cathode row 5		
5	Anode row 6	Cathode row 6		
6	Anode row 7	Cathode row 7		
7	Cathode column 4	Anode column 4		
8	Cathode column 5	Anode column 5		
9	Anode row 4	Cathode row 4		
10	Cathode column 3	Anode column 3		
11	Anode row 2	Cathode row 2		
12	Anode row 1	Cathode row 1		





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