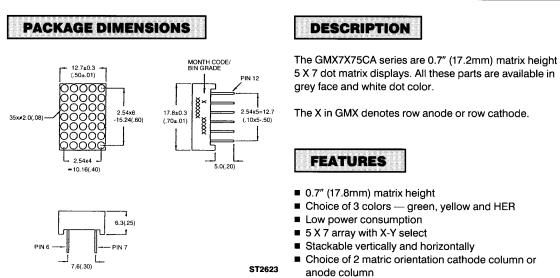


### 0.7" 5×7 DOT MATRIX DISPLAYS

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



Easy mounting on PCB or sockets

Categorized for luminous intensity

NOTES:

1. ALL PINS ARE 00.5 (.02).

2. DIMENSION IN MILLIMETERS (INCH), TOLERANCE IS 0.25 (.01) UNLESS

OTHERWISE NOTED.

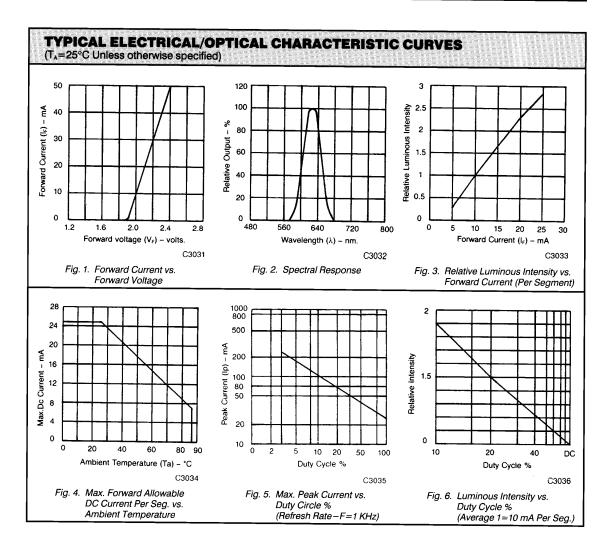
	YELLOW	HER	GREEN	UNITS
Power dissipation per dot	60	70	75	mW
Peak forward current per dot	80	100	100	mA
(Duty cycle 1/10, 10KHz) Continuous I₅ per dot	20	25	25	mA
Reverse voltage per dot	5	5	5	V
Operating and operating temperature range.	э 	+		v 25°C to +8-
Soldering time at 260°C (1/16 inch below seati				



SEMICONDUCTOR

## 0.7" 5×7 DOT MATRIX DISPLAYS

ELECTRICAL/OPTICAL CHARACTERISTICS (T\_=25°C Unless otherwise specified) GMX7175CA (HER) PARAMETER MIN MAX TYP UNITS TEST CONDITIONS Average luminous intensity 3000  $\mu$ cd l<sub>F</sub>=20 mA Peak emission wavelength 635 nm I<sub>F</sub>=20 mA Spectral line half-width 40 nm I<sub>F</sub>=20 mA Forward voltage, any dot 2.1 ٧ 2.8 I<sub>F</sub>=20 mA Reverse voltage, any dot 100 μA  $V_{R}=5V$ 

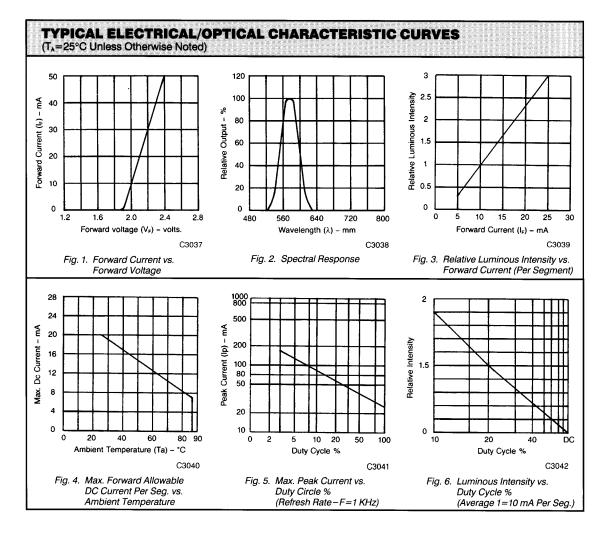




# 0.7" 5×7 DOT MATRIX DISPLAYS

SEMICONDUCTOR

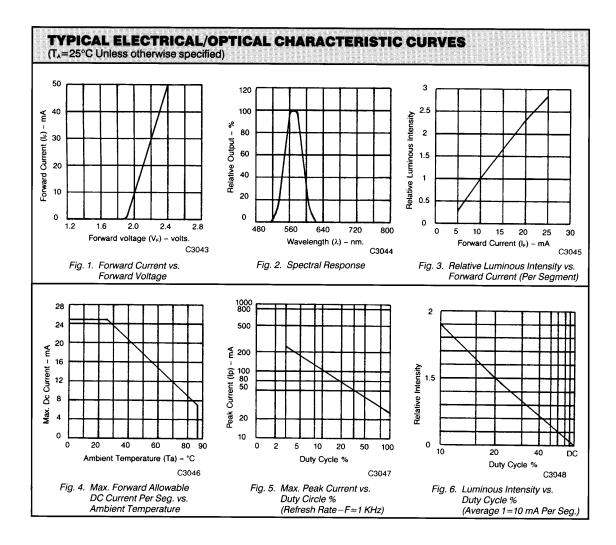
ELECTRICAL/OPTICAL CHARACTERISTICS (T <sub>A</sub> =25°C Unless otherwise specified) GMX 7475CA (YELLOW)				ecified)	
PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	l <sub>⊧</sub> =20 mA
Peak emission wavelength		585		nm	l <sub>⊧</sub> =20 mA
Spectral line half-width		35		nm	l <sub>F</sub> =20 mA
Forward voltage, any dot		2.1	2.8	V	l <sub>F</sub> =20 mA
Reverse voltage, any dot		to de t	100	μA	V <sub>B</sub> =5V





# 0.7" 5×7 DOT MATRIX DISPLAYS

ELECTRICAL/OPTICAL CHARACTERISTICS (T <sub>A</sub> =25°C Unless otherwise specified) GMX 7975CA (GREEN)					ecified)
PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
Average luminous intensity		3000		μcd	I <sub>F</sub> =20 mA
Peak emission wavelength		565		nm	I <sub>F</sub> =20 mA
Spectral line half-width	-	30		nm	I⊧=20 mA
Forward voltage, any dot	, <b>1</b> 1	2.1	2.8	V	I <sub>⊧</sub> =20 mA
Reverse voltage, any dot			100	μA	V <sub>B</sub> =5V

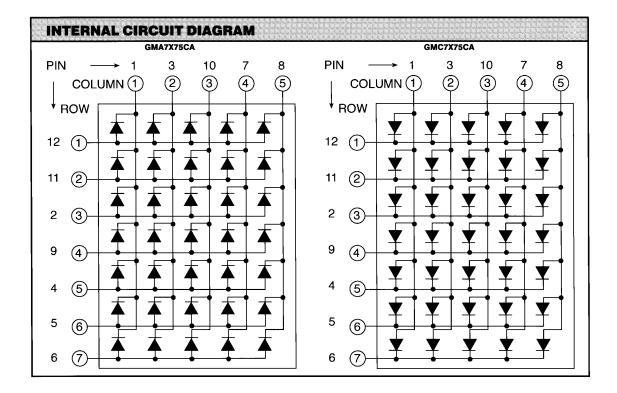




SEMICONDUCTOR

# 0.7" 5×7 DOT MATRIX DISPLAYS

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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- 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.