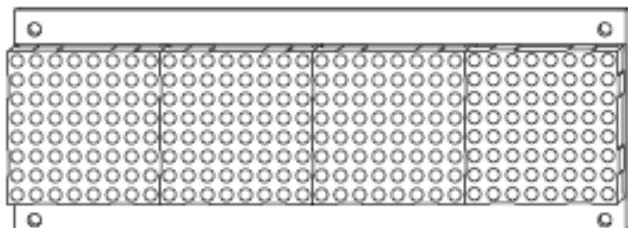


Chapter 3. Product Details

3208 LED DOT MATRIX SERIES

FIGURE 3-1-1 OVERVIEW



Include:

- P4 (3mm LED dot diameter) monocolor
- P7.62 (5mm LED dot diameter) monocolor

DESCRIPTION:

The P4 (P7.62) 3208 monocolor LED dot matrix are made up of four 8*8 LED dot matrixes, they are alphanumeric programmable displays with high speed, high light and wide viewing. They are normally used in shop, office, home and entertainment venues etc.

The on-board CMOS has a built-in 256 dot ROM. It also has a user definable character (UDC) feature, which uses a RAM that permits storage of 4 arbitrary characters, symbols or icons that are software-definable by the user.

The 3208 LED dot matrix is designed for standard microprocessor interface techniques, and is fully TTL compatible. The Data I/O and Chip Select pins allow the user to cascade multiple display modules.

TABLE 3-1-2 ELECTRICAL CHARACTERISTICS

Parameter	Min.	Typ.	Max.	Units
Operating Input Voltage	8	12	15	V
Operating Input Current	-	0.2	0.3	A
LED Dot Current	-	2.9	3.1	mA
V _{IH} (DATA,WR,CS,CLK)	3.5	-	5	V
V _{IL} (DATA,WR,CS,CLK)	0	-	1.5	V
Serial Data Clock(DATA)	-	-	500	KHz
Serial Data Clock(WR)	-	-	1	MHz
CS Reset Pulse Width	250	-	-	ns

TABLE 3-1-3 ORDERING INFORMATION

Type	Color of Emission	Character Height mm(inch)
P4 monocolor	red	31.75(1.25)
	green	31.75(1.25)
	orange	31.75(1.25)
P7.62 monocolor	red	60.96(2.4)
	green	60.96 (2.4)
	orange	60.96 (2.4)