

# 1.2-inch (31 mm) 8 x 8 Dot Matrix LED Display D-N9812, D-K9812, & DEGK9812 Series

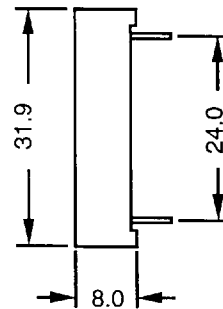
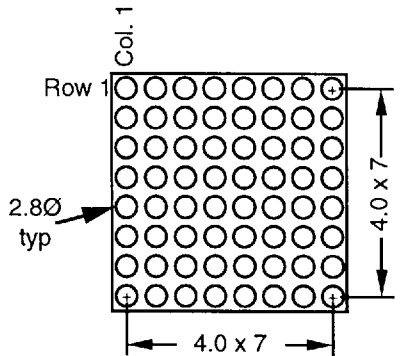


The 9812 group of dot matrix displays is the smallest 8 x 8 matrix. The DEGK9812 is also the smallest pitch bi-color display available with a dot-to-dot distance of four millimeters.

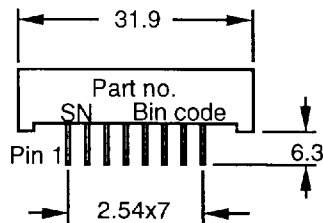
## SELECTION GUIDE:

Color	E Red	X Red	Green	Yellow
Wavelength	635 nm	660 nm	565 nm	585 nm
Iv(mcd/dot) *	3.5	10.0	4.0	3.5
Column Anode	DEN9812	DXN9812	DGN9812	DYN9812
Column Cathode	DEK9812	DXK9812	DGK9812	DYK9812

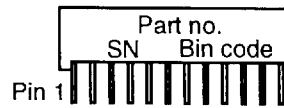
## MECHANICAL DIMENSIONS:



E/G Bi-Color
635/565 nm
3.5/4.0
-N/A-
DEGK9812



D-N/K9812



DEGK9812

## PIN ASSIGNMENTS:

PIN NO.	D-N9812	D-K9812	DEGK9812	PIN NO.	D-N9812	D-K9812	DEGK9812
1	- R5	+ R5	- C5g	13	+ C1	- C1	+ R4
2	- R7	+ R7	- C5e	14	- R2	+ R2	- C4e
3	+ C2	- C2	+ R5	15	+ C7	- C7	- C4g
4	+ C3	- C3	- C6g	16	+ C8	- C8	+ R3
5	- R8	+ R8	- C6e	17			- C3e
6	+ C5	- C5	+ R6	18			- C3g
7	- R6	+ R6	- C7g	19		e = E red	+ R2
8	- R3	+ R3	- C7e	20		g = G green	- C2e
9	- R1	+ R1	+ R7	21			- C2g
10	+ C4	- C4	- C8g	22			+ R1
11	+ C6	- C6	- C8e	23			- C1e
12	- R4	+ R4	+ R8	24			- C1g

\* Specifications subject to change without notice. All dimensions are in mm±0.3 unless stated otherwise.

\* Iv typ. measured @If = 48 mA, 1/8 duty. All pins are 0.5 mmØ unless stated.