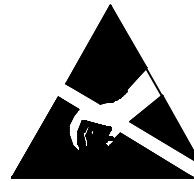




COTCO INTERNATIONAL LTD

DM2-5707CB-DC01

DATA SHEET



COTCO			CUSTOMER
NOTE:			

REVISION: 01

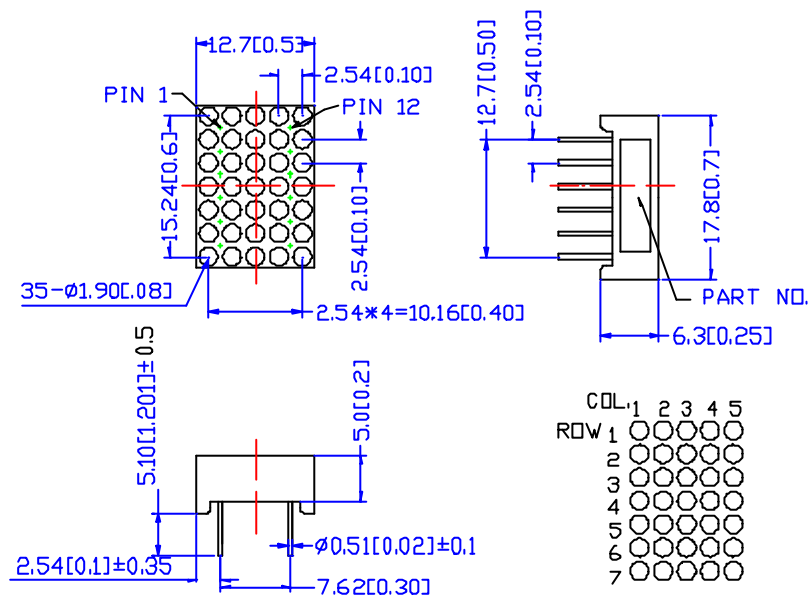
Features:

- High Reliability
- Blue Color Dot Matrix
- Low Power Requirement
- Flat Package and Light Weight
- Easy Assembly

Description:

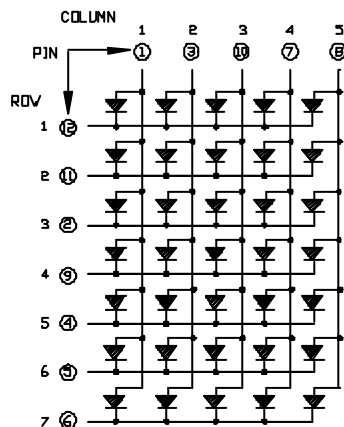
- 5X7 Dot Matrix
- 1.9mm Dot and Pitch 2.54mm
- Black Face and Diffuser Epoxy Dots

Outer Dimension:



Notes: Unless otherwise stated, The tolerance is ± 0.25 mm.

Circuit diagram



PIN NO.	FUNCTION
1	COLUMN 1
2	ROW 3
3	COLUMN 2
4	ROW 5
5	ROW 6
6	ROW 7
7	COLUMN 4
8	COLUMN 5
9	ROW 4
10	COLUMN 3
11	ROW 2
12	ROW 1



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Absolute Maximum Rating (ta=25)::

Parameter	Symbol	Condition	Color	Rating	Units
Maximal Power Dissipation (When completely Lighting) Per Dot	P _d		Blue	45	mW
Maximal Forward Current (When completely Lighting) Per Dot	I _F		Blue	10	mA
Derating Of If Per Dot	I _F	Ta 25	Blue	0.083	mA/
Peak Forward Current Per Dot	I _{FP}	1/8Duty 10khz	Blue	70	mA
Reverse Voltage Per Dot	V _R		Blue	5	V
Operating Temperature Range	Topr			-35 +85	
Storage Temperature Range	Tstg			-35 +85	

Electrical/Optical Characteristics Rating(Ta=25)

Item	Symbol	Test Conditions	Location	Color	Rating			Units
					Min.	Typ.	Max	
Forward Voltage	V _F	I _F =20mA	Per Dot	Blue	—	3.8	4.5	V
Reverse Current	I _R	V _R =5V	Per Dot	Blue	—	—	100	μ A
Luminous Intensity	I _v	1/8Duty	Per Dot	Blue	1.0	1.5	—	mcd
Wave Length	P	I _F =20mA	Per Dot	Blue	—	428	—	nm
	D					466		
Spectral Line Half Width		I _F =20mA	Per Dot	Blue	—	65	—	nm
Electrostatic Discharge Threshold (HBM)	ESD	—	—	—	—	1000	—	V
Luminous Intensity Matching Ratio (Dot To Dot)	I _{v-m}	1/8Duty I _{FP} =40mA					2:1	

Luminous Intensity Ratio(1/8Duty , I_{FP}=40mA ;The Tolerance is +/-10%)

COLOR \ B IN	D	E	F	G	H
Blue (mcd)	1.00-1.20	1.21-1.45	1.46-1.75	1.76-2.11	2.12-2.54

Soldering Conditions: Soldering Temp. +260 ;Soldering Time. 3sec.

(at 2mm Distance from The Case of Reflector Edge)