

# MICRO ELECTRONICS

MOG1288C

THREE COLOR  
EMITTED LED DOT  
MATRIX DISPLAY

## FEATURES :

Three emitted color : High efficiency red, green, orange  
(The mixture of high efficiency red and green)  
Anode column, Cathode row (MOG1288A);  
Cathode column, Anode row (MOG1288C)  
High contrast  
Wide viewing angle  
8 x 8 matrix array with row-column select  
Regged encapsulation (Filled reflector construction)  
End & side stackable

## ABSOLUTE MAXIMUM RATINGS

Power Dissipation / Dot	75mW
Peak Forward Current / Dot*	100mA
Continuous Forward Current / Dot	25mA
Reverse Voltage / Dot	5V
Operating Temperature Range	-25 to +80°C
Storage Temperature Range	-20 to +75°C
Lead Temperature (Soldering 5 sec., 1/16" from body)	260°C

\* Note : Pulse Width = 1mS, Duty Ratio = 1/10.

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	Hi-Eff. Red	Green	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	V	IF=20mA
Luminous Intensity	MIN	IV	1.5	1.8	mcd	IF=10mA
	TYP		2.2	3.0	mcd	
Dot to Dot Luminous Intensity Ratio	MAX		2:1	2:1		IF=10mA
Reverse Current Any Bar	MAX	IR	100	100	μA	VR=5V
Peak Wavelength	TYP	λp	630	565	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	40	30	nm	IF=20mA



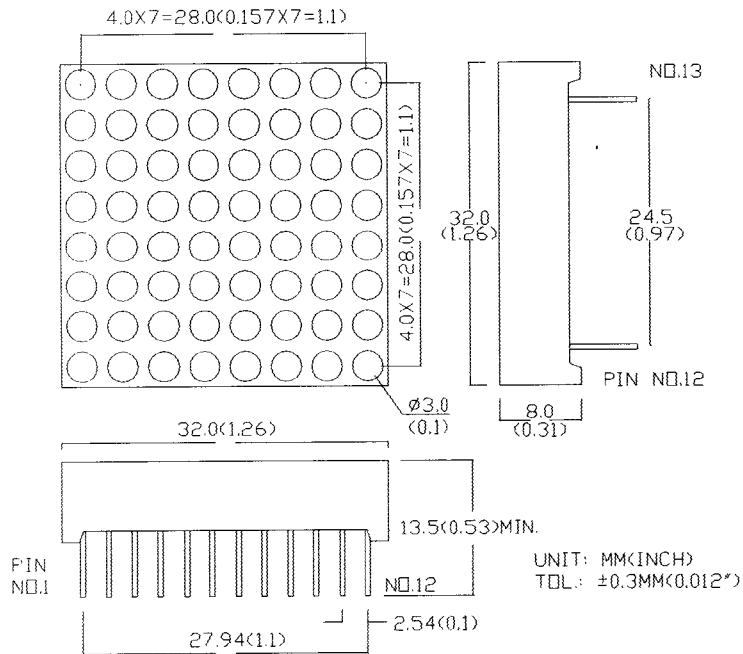
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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

