

MICRO

ELECTRONIC

MSG1557A/C

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**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 (MSG1557A);
Cathode column, Anode row (MSG1557C)
High contrast
Wide viewing angle
5 x 7 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

* 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	1200	1800	μcd	IF=10mA
	TYP		2000	3000	μcd	
Dot to Dot Luminous Intensity Ratio	MAX		2:1	2:1		IF=10mA
Reverse Current	MAX	IR	100	100	μA	VR=5V
Peak Wavelength	TYP	λp	650	565	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	35	30	nm	IF=20mA

MICRO ELECTRONICS LTD.

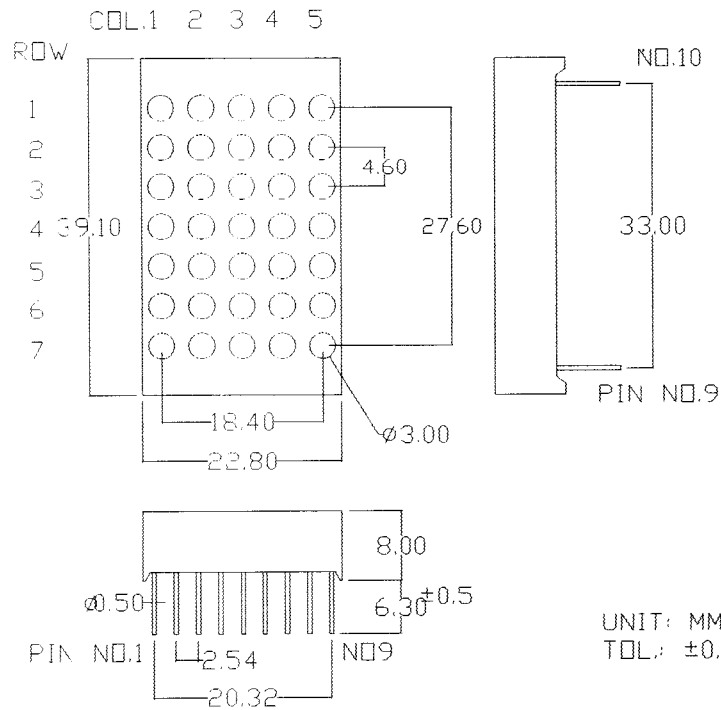
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MECHANICAL OUTLINES:



ELECTRICAL CIRCUIT:

