

MICRO ELECTRONICS MOG2158TC

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 (MOG2158TA);
 Cathode column, Anode row (MOG2158TC)
 High contrast
 Dot clear transparent lens
 5 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	-20 to +75°C
Storage Temperature Range	-25 to +80°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	3.5	5.0	mcd	IF=10mA
	TYP	6.0	9.0	mcd	IF=10mA
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	570	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	40	30	nm	IF=20mA

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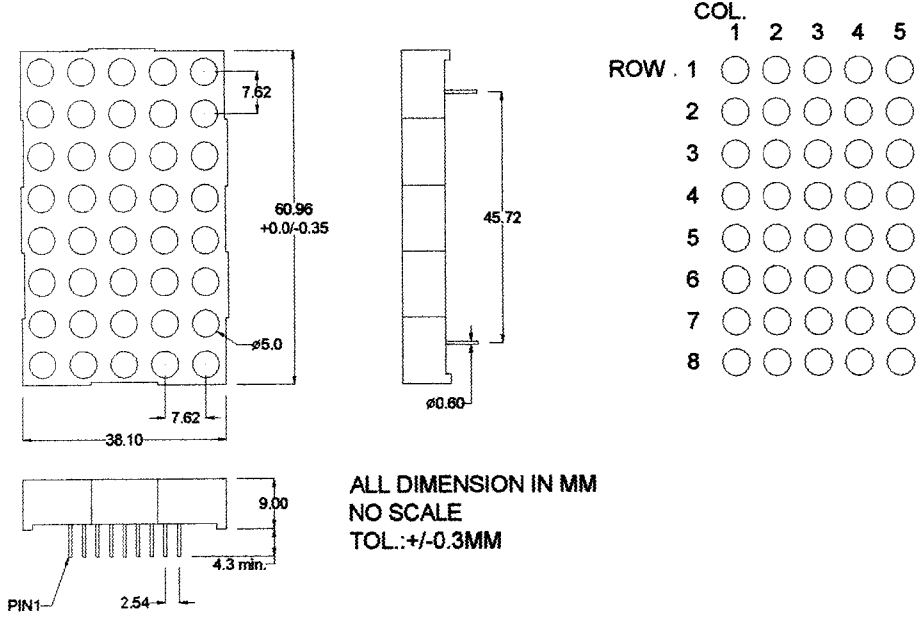
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MOG2158TA / MOG2158TC

MECHANICAL OUTLINE



CIRCUIT DIAGRAM

