

MICRO ELECTRONICS

MG1401A/C
MO1401A/C
MY1401A/C
MU1401A/C

4.0" SINGLE DIGIT
LARGE NUMERIC DISPLAYS

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP, GaAlAs Dice
4.0 inch Character Height
Continuous Uniform Segments
High Contrast
Wide Viewing Angle
Common Anode - MG1401A, MO1401A, MY1401A, MU1401A
Common Cathode - MG1401C, MO1401C, MY1401C, MU1401C

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)	MG1401			UNIT
	MO1401	MY1401	MU1401	
Power Dissipation / Segment	375	300	500	mW
Peak Forward Current / Segment	100	80	200	mA
Continuous Forward Current / Segment	25	20	40	mA
Reverse Voltage / Segment	5	5	5	V
Operating Temperature Range		-25 to +85		°C
Storage Temperature Range		-25 to +85		°C

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MG1401	MO1401	MY1401	MU1401	UNIT	CONDITIONS	
Forward Voltage	MAX	VF / Seg	15	15	15	12	V	IF=20mA
		VF / Dp	3.0	3.0	3.0	2.4		
Luminous Intensity	MIN	IV	8.0	6.0	5.0	12	mcd	IF=10mA
Segment to Segment	MAX		2:1	2:1	2:1	2:1		IF=20mA
Luminous Intensity Ratio								
Peak Wavelength	TYP	λ_p	570	630	585	660	nm	IF=20mA
Spectral Line Half Width	TYP	$\Delta\lambda$	30	40	40	20	nm	IF=20mA
Reverse Current	MAX	IR	100	100	100	100	μA	VR=5V

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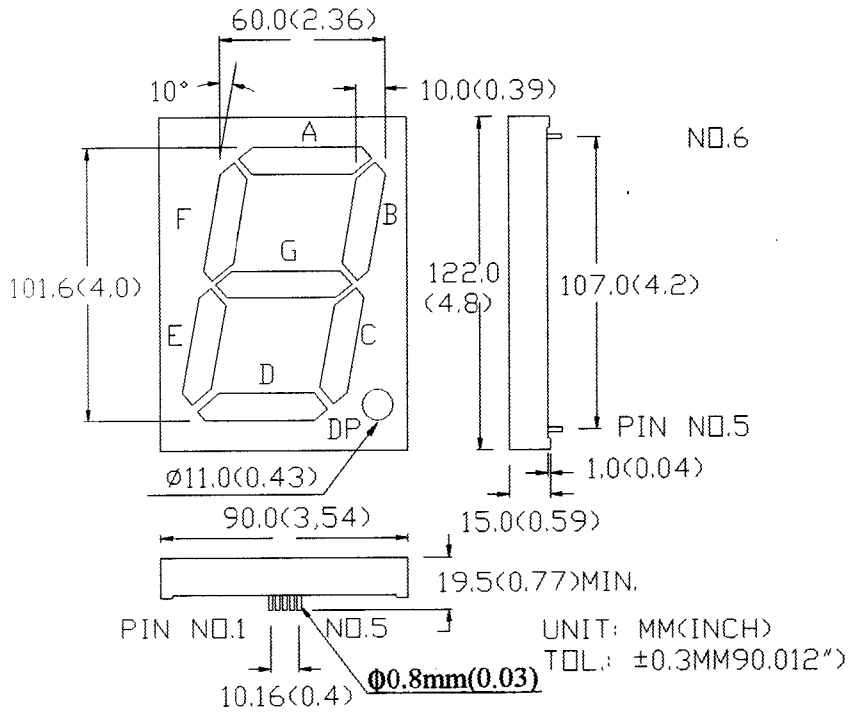


MICRO ELECTRONICS LTD.
38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.
Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5

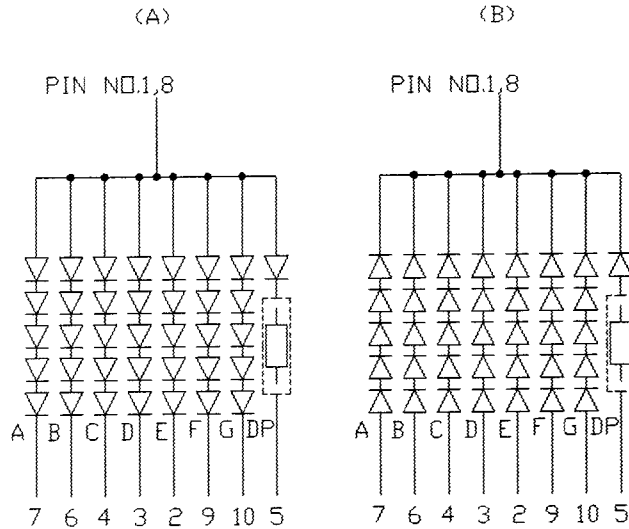
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MG1401A/C MO1401A/C MY1401A/C MU1401A/C

MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:



MG1401A
MO1401A
MY1401A
MU1401A

MG1401C
MO1401C
MY1401C
MU1401C