

## SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice  
0.3 inch Character Height  
High Contrast  
Wide Viewing Angle  
Common Anode - MS131A, MG131A, MY131A, MO131A  
Common Cathode - MS131C, MG131C, MY131C, MO131C

## ABSOLUTE MAXIMUM RATINGS

	MG131			UNIT
	MS131	MY131	MO131	
Power Dissipation / Segment	40	60	75	mW
Peak Forward Current / Segment*	60	80	100	mA
Continuous Forward Current / Segment	15	20	25	mA
Reverse Voltage / Segment	5	5	5	V
Operating Temperature Range	-25 to +85			°C
Storage Temperature Range	-25 to +85			°C
Lead Soldering Temperature (1/16" from body, 5 sec.)	260			°C

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

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

PARAMETER	SYMBOL	MS131	MG131	MY131	MO131	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	3.0	V	IF=20mA
Luminous Intensity	MIN IV	320	1200	800	960	μcd	IF=10mA
	TYP	450	2100	1200	1400	μcd	IF=10mA
Segment to Segment	MAX	2:1	2:1	2:1	2:1		IF=20mA
Luminous Intensity Ratio							
Reverse Current Any Bar	MAX IR	100	100	100	100	μA	VR=5V
Peak Wavelength	TYP λp	700	565	585	630	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	100	30	35	35	nm	IF=20mA

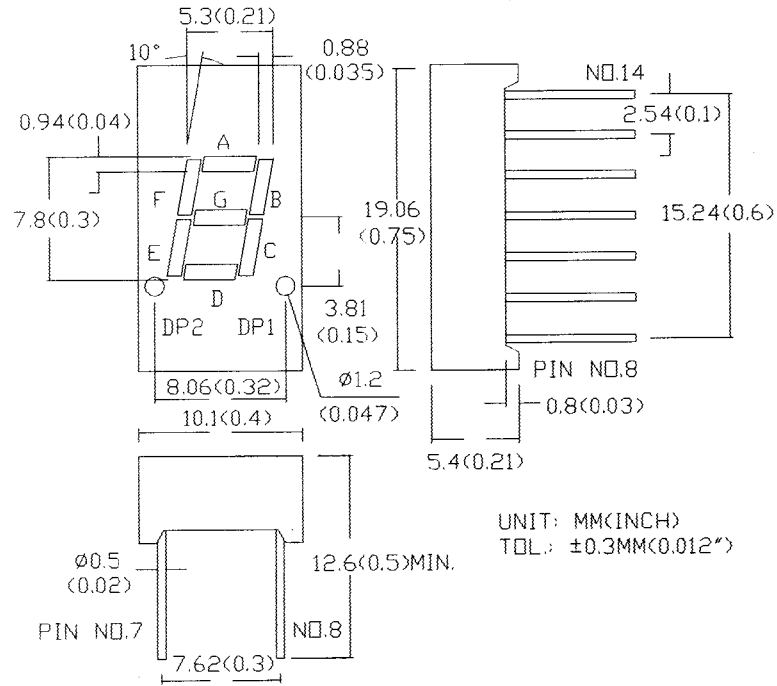


MICRO ELECTRONICS LTD.

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

May-97

MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

