MICRO ELECTRONICS

MY131A/C
MO131A/C
0.3" SINGLE DIGIT
NUMERIC DISPLAYS

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

	MS131	MY131	MG131 MO131	UNIT
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.

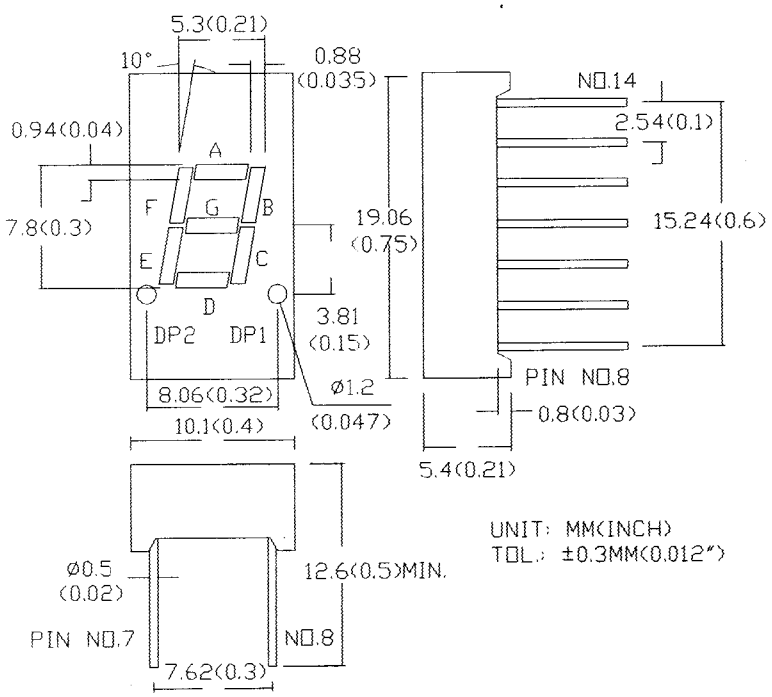
ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

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 Luminous Intensity Ratio	MAX		2:1	2:1	2:1	2:1		IF=20mA
Reverse Current Any Bar	MAX	IR	100	100	100	100	μA	VR=5V
Peak Wavelength	TYP	λρ	700	565	585	630	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	100	30	35	35	nm	IF=20mA

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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

