

MICRO ELECTRONICS

MS132A/C
MG132A/C
MY132A/C
MO132A/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 - MS132A, MG132A, MY132A, MO132A

Common Cathode - MS132C, MG132C, MY132C, MO132C

ABSOLUTE MAXIMUM RATINGS

	MS132	MG132	MY132	MO132	UNIT
Power Dissipation / Segment	40	60	75	75	mW
Peak Forward Current / Segment	60	80	100	100	mA
Continuous Forward Current / Segment	15	20	25	25	mA
Reverse Voltage / Segment	5	5	5	5	V
Operating Temperature Range			-25 to +85	-25 to +85	°C
Storage Temperature Range			-25 to +85	-25 to +85	°C

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MS132	MG132	MY132	MO132	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	<i>mcd</i> IF=10mA
Segment to Segment	MAX		2:1	2:1	2:1	2:1	IF=20mA
Luminous Intensity Ratio							
Peak Wavelength	TYP	λ_p	700	570	585	630	nm IF=20mA
Spectral Line Half Width	TYP	$\Delta\lambda$	100	30	35	40	nm IF=20mA



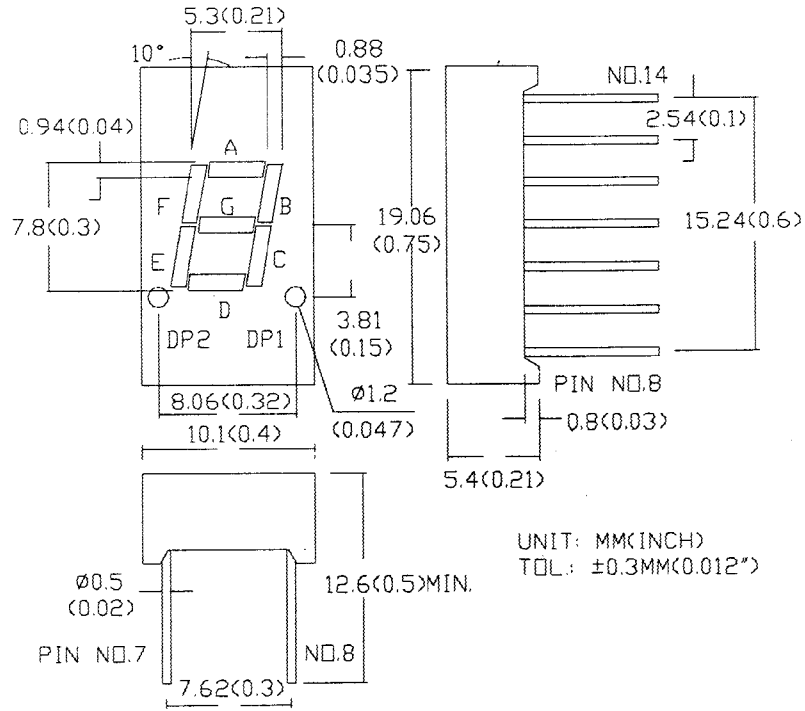
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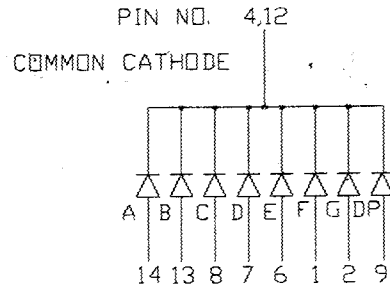
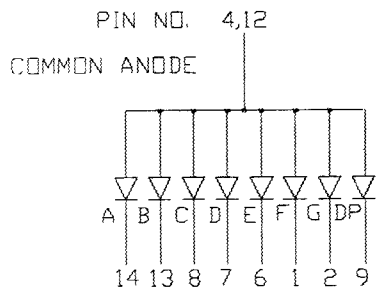
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MECHANICAL OUTLINE:



UNIT: MM(INCH)
TOL.: ± 0.3 MM(0.012")

CIRCUIT DIAGRAM:



MX132A/C 2/2