

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice

0.3 inch Character Height

High Contrast

Wide Viewing Angle

Common Anode - MS231A, MG231A, MY231A, MO231A

Common Cathode - MS231C, MG231C, MY231C, MO231C

ABSOLUTE MAXIMUM RATINGS

	MS231	MY231	MG231 MO231	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	MS231	MG231	MY231	MO231	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	1600	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



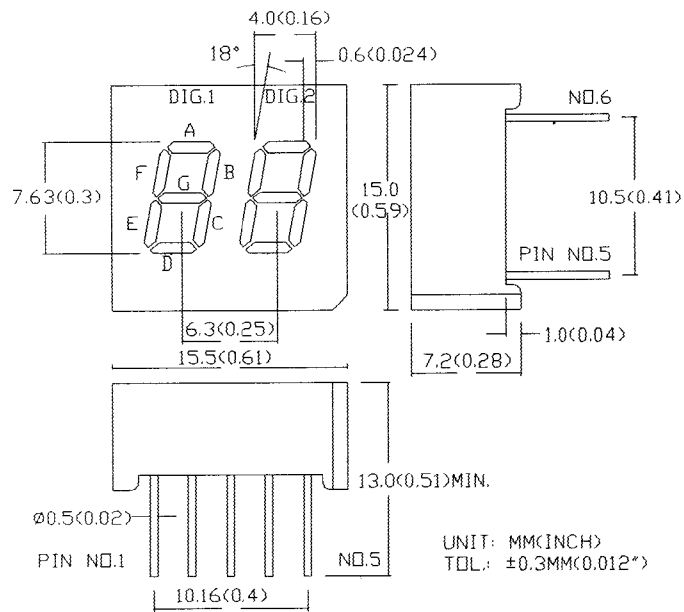
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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

