

# MICRO ELECTRONICS

MG245A/C  
MY245A/C  
MO245A/C

0.4" DUAL DIGIT  
NUMERIC DISPLAYS

## SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice  
0.4 inch Character Height  
High Contrast  
Wide Viewing Angle  
Common Anode - MS245A, MG245A, MY245A, MO245A  
Common Cathode - MS245C, MG245C, MY245C, MO245C

## ABSOLUTE MAXIMUM RATINGS

	MS245	MY245	MG245 MO245	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	MS245	MG245	MY245	MO245	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	3.0	V	IF=20mA
Luminous Intensity	MIN IV	350	1300	860	1050	μcd	IF=10mA
	TYP	500	2350	1300	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

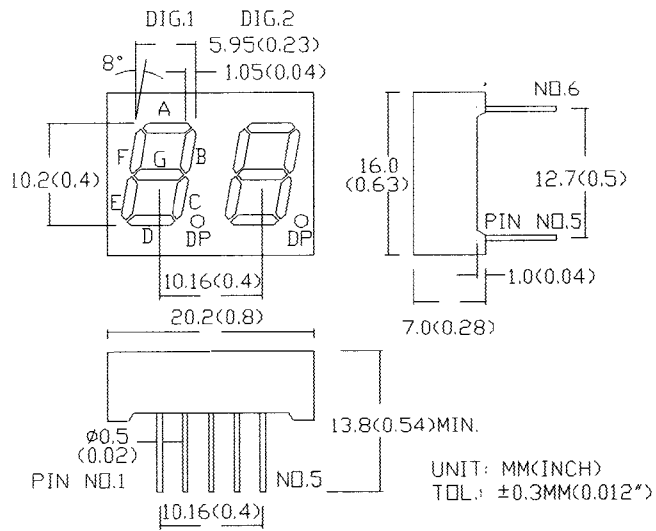


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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

