MICRO ELECTRONICS

MG139A/C
MO139A/C

0.39" SINGLE DIGIT
NUMERIC DISPLAYS

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice
0.39 inch Character Height
High Contrast
Wide Viewing Angle
Common Anode - MS139A, MG139A, MO139A
Common Cathode - MS139C, MG139C, MO139C

ABSOLUTE MAXIMUM RATINGS

	MS139	MG139	MO139	UNIT
Power Dissipation / Segment	40	75	75	mW
Peak Forward Current / Segment*	60	100	100	mA
Continuous Forward Current / Segment	15	25	25	mA
Reverse Voltage / Segment	5	5	5	V
Operating Temperature Range		-25 to +85		°C
Storage Temperature Range		-25 to +85		°C

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

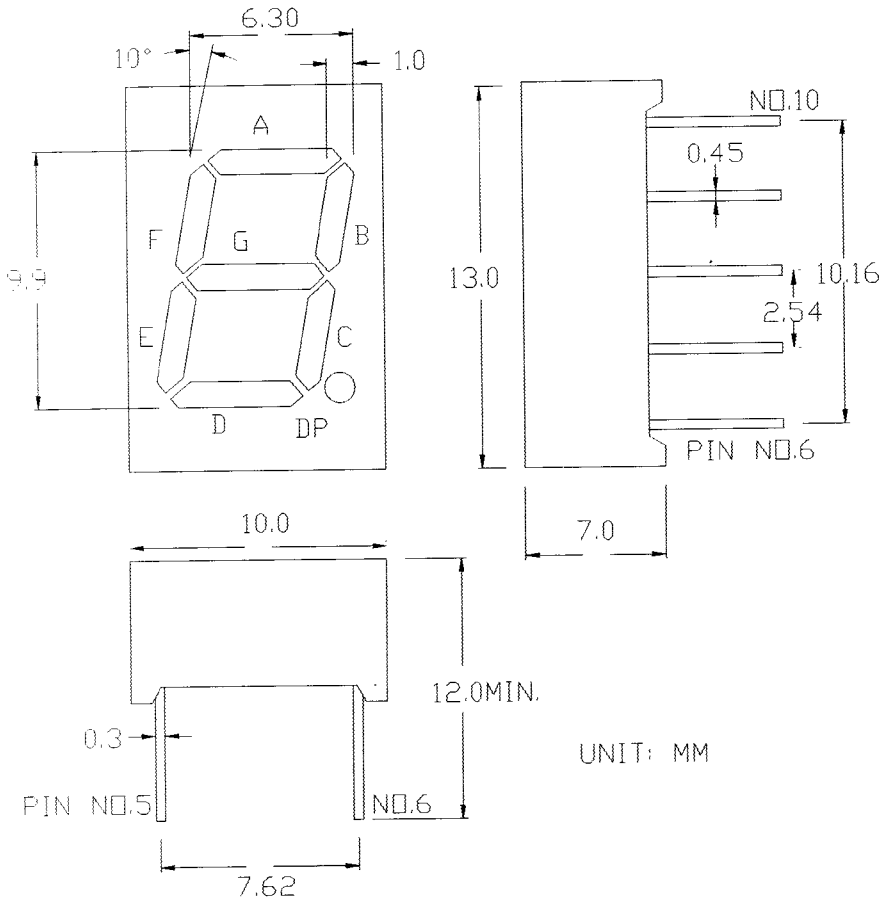
ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	MS139	MG139	MO139	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	3.0	V	IF=20mA
Luminous Intensity	MIN	IV	350	1300	1050	μcd	IF=10mA
	TYP		500	2350	1600		
Segment to Segment Luminous Intensity Ratio	MAX		2:1	2:1	2:1		IF=20mA
Peak Wavelength	TYP	λρ	700	565	630	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	100	30	40	nm	IF=20mA

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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

