

SEVEN SEGMENT NUMERIC DISPLAY

High Performance Dice
0.43 inch Character Height
High Contrast
Wide Viewing Angle
Common Anode - MS246A-B (Red), MG246A-B (Green)
Common Cathode - MS246C-B (Red), MG246C-B (Green)

ABSOLUTE MAXIMUM RATINGS

	MS246A/C-B	MG246A/C-B
Power Dissipation / Segment	40mW	90mW
Peak Forward Current / Segment*	60mA	100mA
Continuous Forward Current / Segment	15mA	30mA
Reverse Voltage / Segment		5V
Operating Temperature Range		-25 to +85°C
Storage Temperature Range		-25 to +85°C
Lead Soldering Temperature (1/16" from body)		260°C for 5 sec.

* Note : Pulse Width = 0.1mS, Duty Ratio = 1/10.

ELECTRO-OPTICAL CHARACTERISTICS /Segment (Ta=25°C)

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	MS246	V_F			3.0	V	$I_F = 20\text{mA}$
	MG246				3.0	V	$I_F = 20\text{mA}$
Luminous Intensity	MS246	I_V	350			mcd	$I_F = 10\text{mA}$
	MG246		800			mcd	$I_F = 10\text{mA}$
Segment to Segment Luminous Intensity Ratio	MS246				2:1		$I_F = 20\text{mA}$
	MG246				2:1		$I_F = 20\text{mA}$
Wave length at Peak Emission	MS246	λ_p		700		nm	$I_F = 20\text{mA}$
	MG246			570		nm	$I_F = 20\text{mA}$
Spectral Line Half Width	MS246	$\Delta\lambda$		100		nm	$I_F = 20\text{mA}$
	MG246			30		nm	$I_F = 20\text{MEA}$



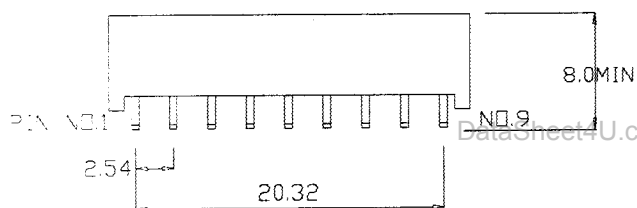
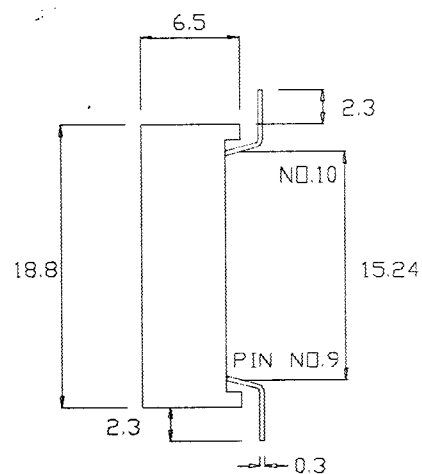
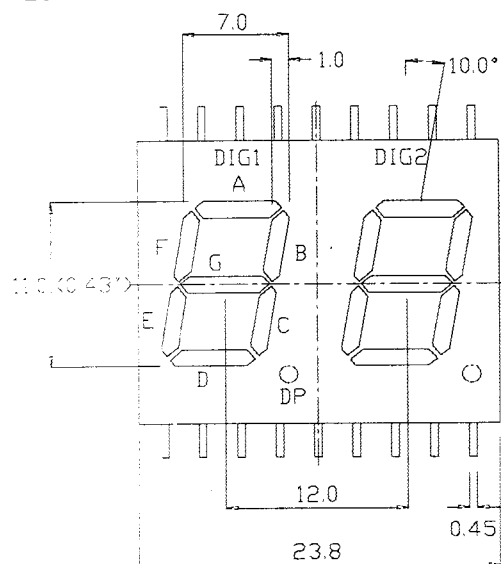
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MECHANICAL OUTLINE:

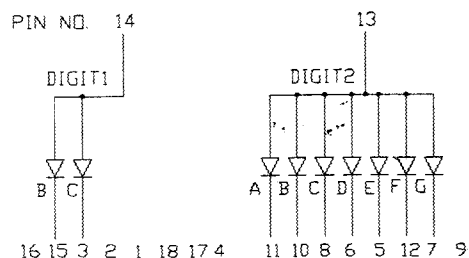


UNIT: MM
TOL: ±0.3MM

CIRCUIT DIAGRAM:

(A)

A/C



(B)

C/C

