

MICRO

ELECTRONICS

MS256
MG256
MO256

TWO DIGIT
0.5" DISPLAY

T-41-33

SEVEN SEGMENT NUMERIC DISPLAY

- High Performance GaP
- 0.5 Inch Character Height
- Common Anode or Common Cathode Models
- Solid State Reliability - Long Operation Life
- High Contrast
- Wide Viewing Angle

AVAILABLE IN 3 COLORS

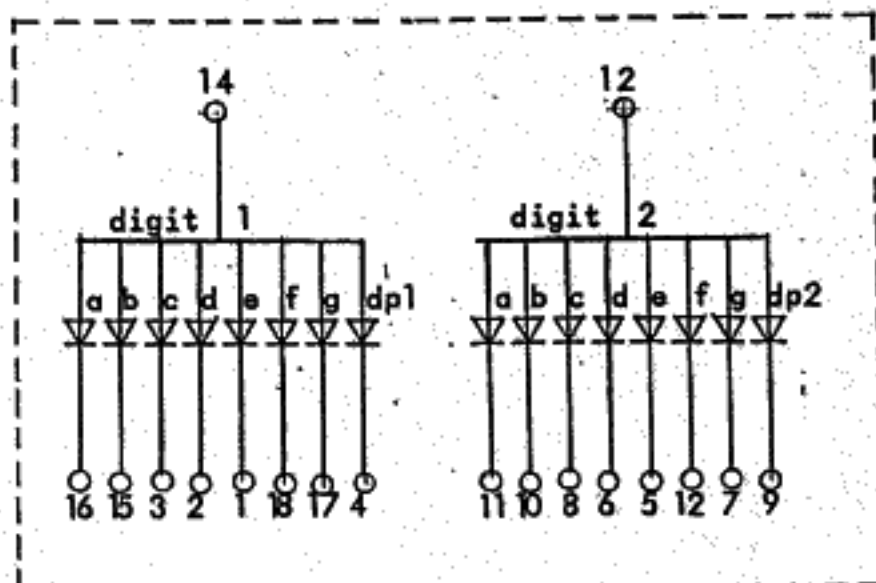
- MS256 RED
- MG256 GREEN
- MO256 ORANGE

MAXIMUM RATING, PER SEGMENT ($T_a=25^{\circ}\text{C}$)

Reverse Voltage	VR	5V
Peak Forward Current / Segment	IF/Pulse*	200mA
Continuous Forward Current / Segment	IF/DC	20mA
Power Dissipation	PD	300mW
Storage Temperature Range	Tstg	-20 to +85°C
Operating Temperature	Topr	-20 to +85°C

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

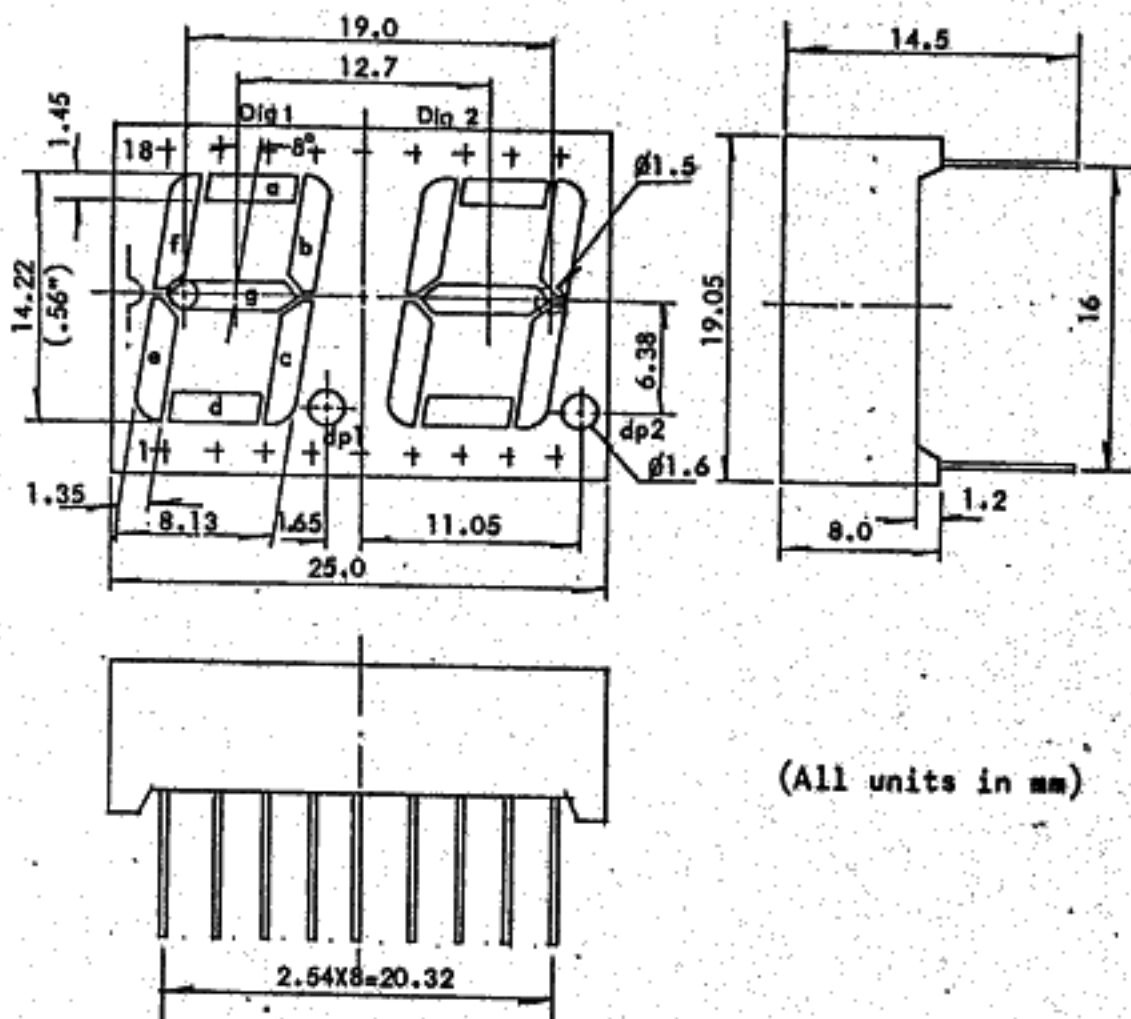
CIRCUIT DIAGRAM



MICRO ELECTRONICS LTD.

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KWUN TONG P. O. BOX 69477 CABLE ADDRESS "MICROTRON"
TEL. 3-430181-5 FAX. NO. 3-410321

MECHANICAL DIMENSIONS



(All units in mm)

CHARACTERISTICS PER SEGMENT (T₀=25°C)

PARAMETER	SYMBOL	MS256	MG256	M0256	UNIT	CONDITIONS
Static Forward Voltage	V _F	2.2	2.2	2.2	V	I _F =20mA
Luminous Intensity	I _V	600	300	1000	μcd	I _F =10mA
Segment to Segment Luminous Intensity Ratio		1.5:1	1.5:1	1.5:1		I _F =10mA
Wave Length At Peak Emission	λ _P	700	565	630	nm	
Spectral Half Width	Δλ	100	30	30	nm	