

MICRO ELECTRONICS

MS256
MG256
M0256

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

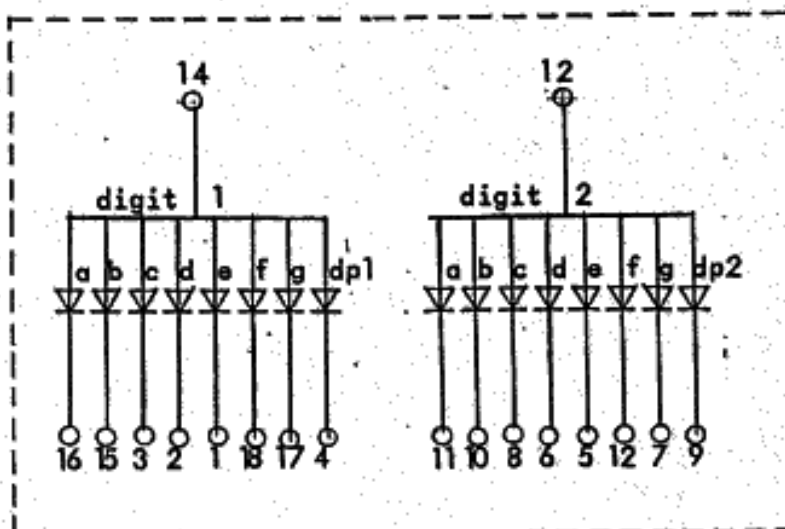
- MS256 RED
- MG256 GREEN
- M0256 ORANGE

MAXIMUM RATING, PER SEGMENT (T_a=25°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.

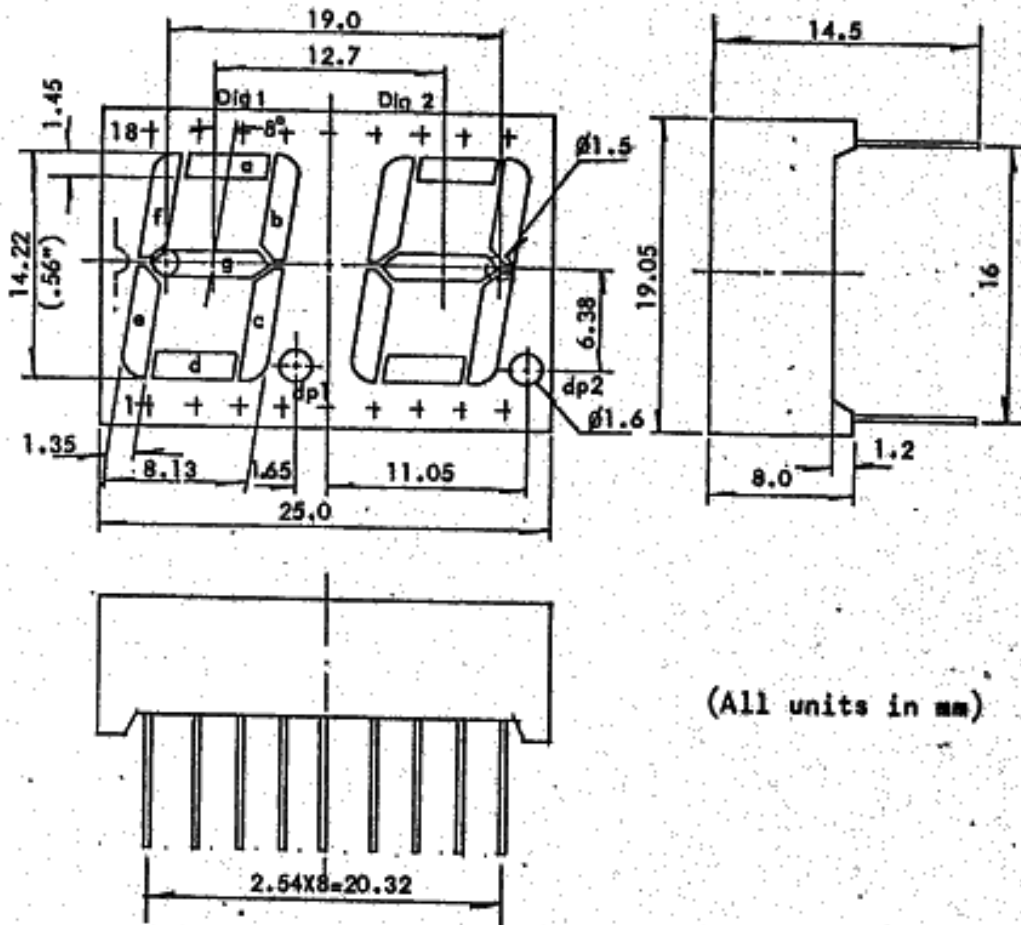
CIRCUIT DIAGRAM



MICRO ELECTRONICS LTD.

35, HUNG TO ROAD, KWUN TONG, HONG KONG. TELEX: 43510
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 ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MS256	MG256	MO256	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	$\Delta\lambda$	100	30	30	nm	