

MICRO

ELECTRONIC

MANO254A/C
MANY254A/C

0.54" DUAL DIGIT
ALPHANUMERIC
DISPLAYS

14-SEGMENT DUAL DIGIT ALPHANUMERIC DISPLAYS

0.54 inch Character Height

High Contrast

Wide Viewing Angle

Low power requirements

Common Anode - MANS254A, MANG254A, MANO254A, MANY254A

Common Cathode - MANS254C, MANG254C, MANO254C, MANY254C

AVAILABLE IN FOUR COLORS

MANS254A, MANS254C Red
MANG254A, MANG254C Green
MANO254A, MANO254C Orange
MANY254A, MANY254C Yellow

ABSOLUTE MAXIMUM RATINGS

	Red	Yellow	Green Orange	Unit
Power Dissipation / Segment	40	60	75	mW
Peak Forward Current / Segment	60	80	100	mA
Continuous Forward Current / Segment	15	20	25	mA
Derating Linear from 25°C Segment	0.18	0.25	0.3	mA/°C
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

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	Red	Green	Orange	Yellow	UNIT	CONDITIONS
Forward Voltage Any Segment TYP	VF	2.2	2.2	2.2	2.2	V	IF=20mA
MAX		3.0	3.0	3.0	3.0	V	IF=20mA
Average Luminous Intensity MIN	IV	380	1400	1100	950	μcd	IF=10mA
TYP		550	2500	1600	1400	μcd	IF=10mA
Luminous Intensity Matching MAX	IV-m	2:1	2:1	2:1	2:1		IF=20mA
Ratio Reverse Current Any Segment MAX	IR	100	100	100	100	μA	VR=5V
Peak Wavelength TYP	λp	700	570	630	585	nm	IF=20mA
Spectral Line Half Width TYP	Δλ	100	30	40	40	nm	IF=20mA



MICRO ELECTRONICS LTD.

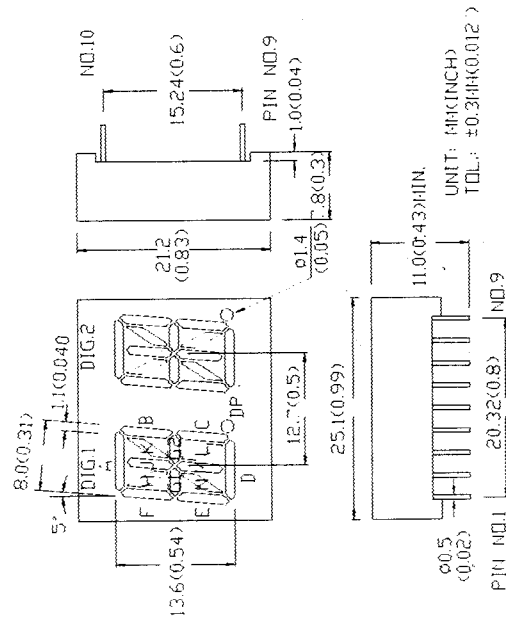
38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.

Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5

MAN S 254 A/C
MAN G 254 A/C

MAN O 254 A/C
MAN Y 254 A/C

MECHANICAL OUTLINE



CIRCUIT DIAGRAM

