

# MICRO ELECTRONICS

MANS254A/C  
MANG254A/C  
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
	MAX		3.0	3.0	3.0	3.0	V
Average Luminous Intensity	MIN	IV	380	1400	1100	950	μcd
	TYP		550	2500	1600	1400	μcd
Luminous Intensity Matching	MAX	IV-m	2:1	2:1	2:1	2:1	
Reverse Current Any Segment	MAX	IR	100	100	100	100	μA
Peak Wavelength	TYP	λp	700	570	630	585	nm
Spectral Line Half Width	TYP	Δλ	100	30	40	40	nm



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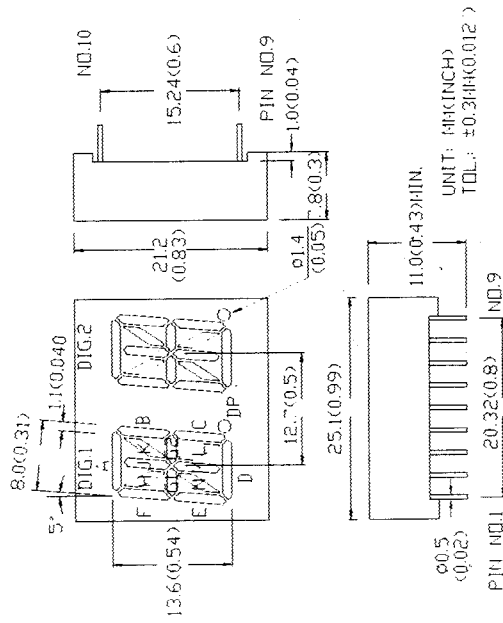
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MAN S 254 A/C  
MAN G 254 A/C

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

MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

