

MICRO

ELECTRONICS

PRELIMINARY
MO181A/C-3
MY181A/C-3
0.8" SINGLE DIGIT
NUMERIC DISPLAYS

SEVEN SEGMENT NUMERIC DISPLAY

- MO181A/C-3 : AlGaInP super orange chip
MY181A/C-3 : AlGaInP super yellow chip
- 0.8 inch Character Height
- High Contrast
- Wide Viewing Angle
- Solid state reliability
- Common Anode - MO181A, MY181A
Common Cathode - MO181C, MY181C

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

		UNIT
Power Dissipation / Segment	75	mW
Peak Forward Current / Segment	100	mA
Continuous Forward Current / Segment	25	mA
Reverse Voltage / Segment	5	V
Operating Temperature Range	-25 to +85	°C
Storage Temperature Range	-25 to +85	°C

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MO181A/C	MY181A/C	UNIT	CONDITIONS
Forward Voltage	TYP	VF	2.0	V	IF=20mA
	MAX		3.0		
Luminous Intensity	MIN	IV	16	mcd	IF=10mA
	TYP		20		
Segment to Segment	MAX		2:1		IF=20mA
Luminous Intensity Ratio					
Peak Wavelength	TYP	λ_p	610	nm	IF=20mA
Spectral Line Half Width	TYP	$\Delta\lambda$	17	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 Hk. Tel: 2343 0181-5

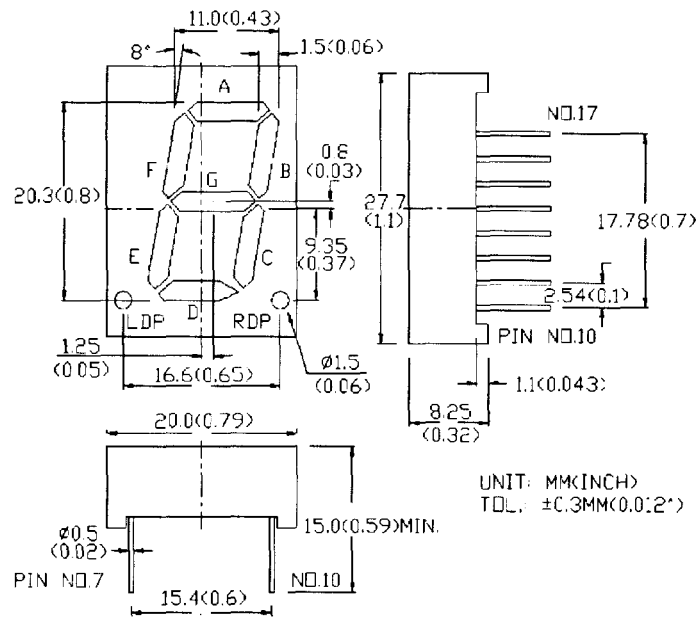
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★MCELS00304★

MO181A/C MY181A/C

MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

