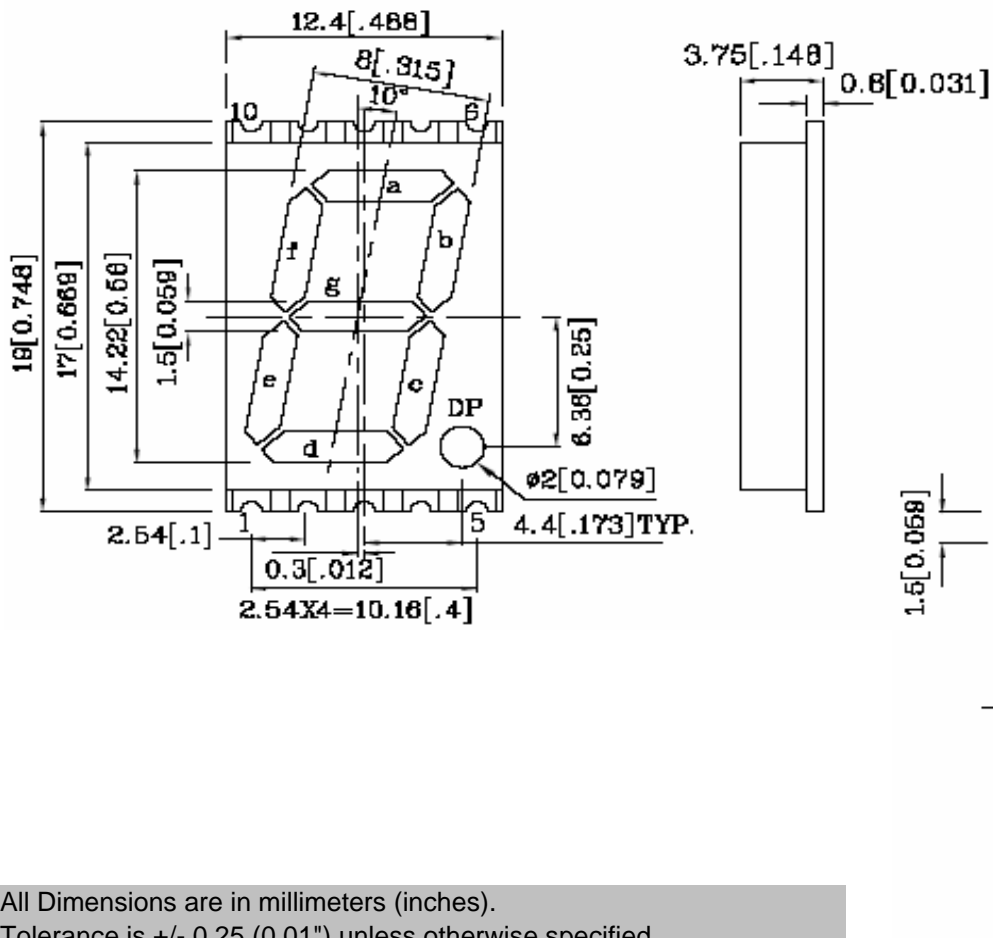


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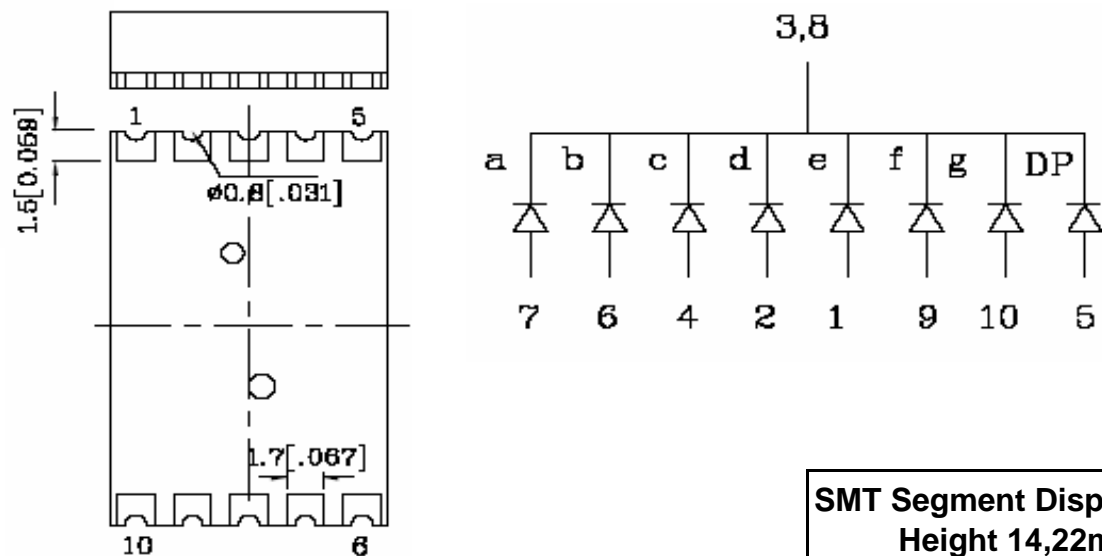
The Power of LED Light

Dimensions / Informations



- ### Features
- Low Current Operation
 - Excellent Character appearance
 - Easy mounting on P.C. Board or Sockets
 - Standard High Brightness
 - Mechanical Rugged
 - Gray Face / White Segment
 - Moisture Sensitivity Level: Level 4

Diode Drive Construction



SMT Segment Display Digit
Height 14,22mm

Part No.: **M21C7006**
 Customer:

All Dimensions are in millimeters (inches).
 Tolerance is +/- 0,25 (0,01") unless otherwise specified.
 Specifications are subject to change without notice.

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APPD:	Schumi			FINISH	Jamy			Sheet No.	1 from 7

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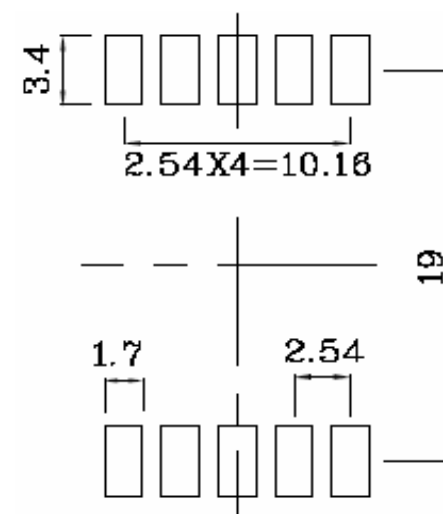
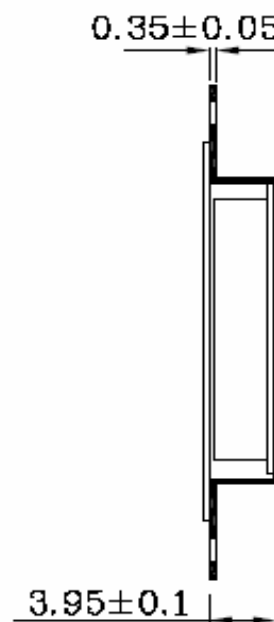
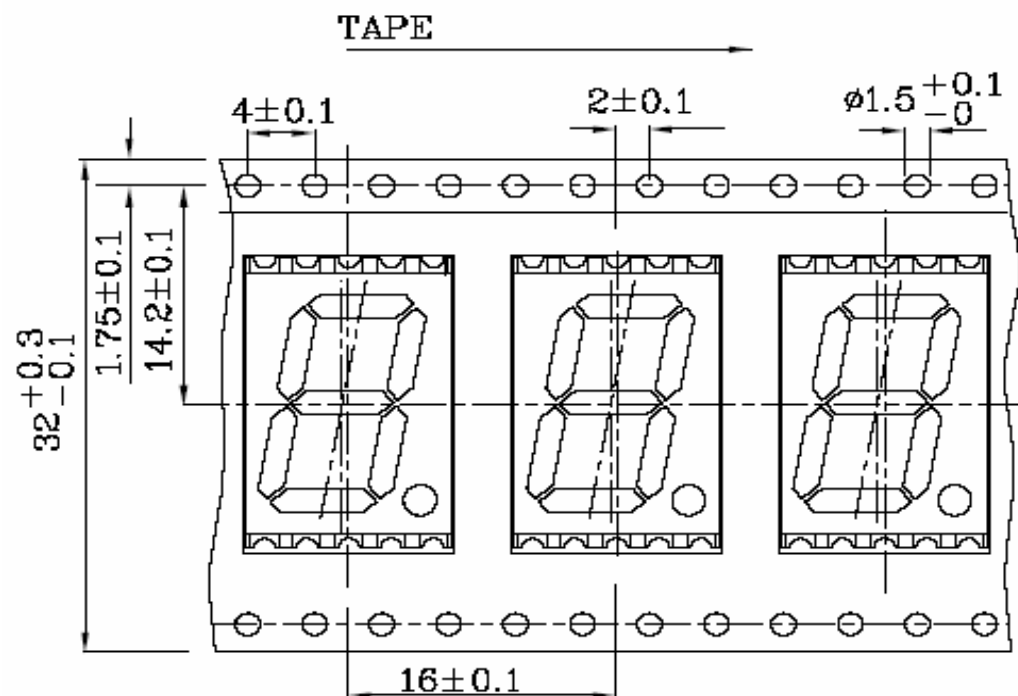


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Tape Specifications

P.C.B. Layout



**SMT Segment Display Digit
Height 14,22mm**

Part No.: **M21C7006**

Customer:

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Description

Part Number	Emitting Color	Emitting Material	Luminous Intensity IF=10mA μ cd		Wavelength nm	Description
			min	max,		
M21C7006	Orange	InGaAlP	12000	49990	610	Commun Cathode Right Hand Decimal Point

Operating Characteristics (TA=25°C)		InGaAlP	Unit
Forward Voltage (typ). (IF=10mA)	VF	2,0	V
Forward Voltage (typ). (IF=10mA)	VF	2,5	V
Reverse Current (Max.) (Vr=5V)	IR	10	μ A
Wavelength of Peak Emission (typ. If=10mA)	P	610	nm
Wavelength / Dominant Emission (typ. If=10mA)	D	601	nm
Spectral Line Full Width at Half-Maximum (typ. 10mA)	Δ	29	nm
Capacitance (typ) (Vf=0V, f=1Mhz)	C	15	pF

Absolute Maximum Ratings (TA=25°C)		InGaAlP	Unit
Reverse Voltage	VF	5	V
Forward Current	IF	30	mA
Forward Current (peak) 1/10Duty Cycle 0,1ms Pulse Width	iFS	195	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-.40 ~+85	°C
Storage Temperature	Tstg	-.40 ~+85	

**SMT Segment Display Digit
Height 14,22mm**

Part No.: **M21C7006**

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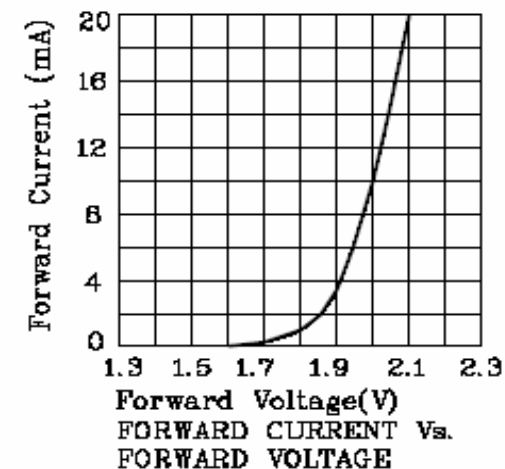
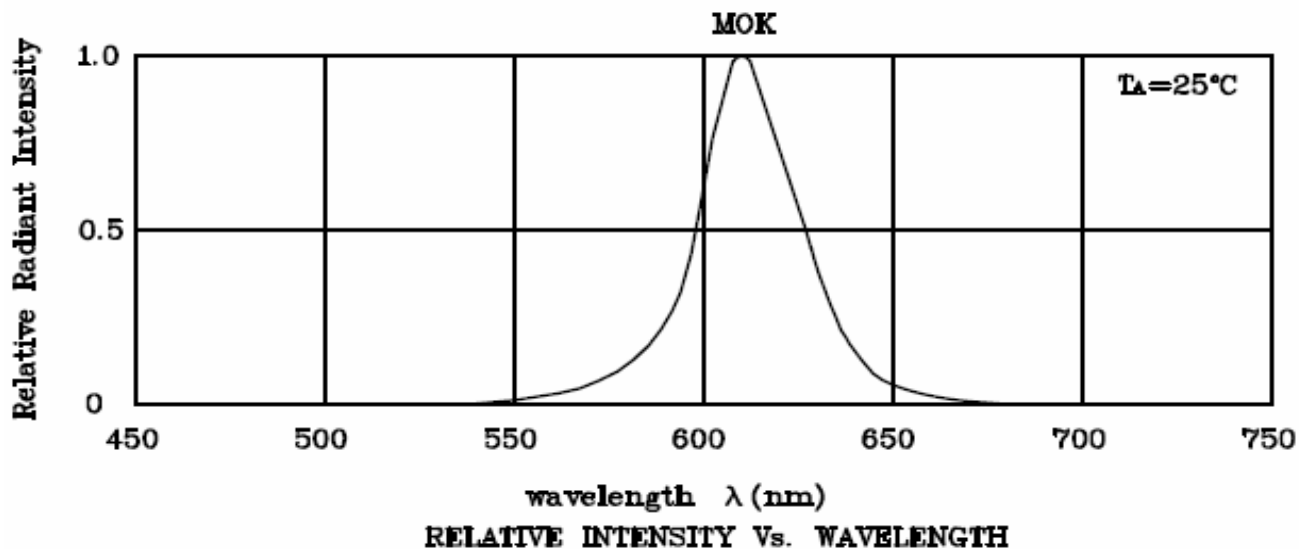
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Characteristics



**SMT Segment Display Digit
Height 14,22mm**

Part No.: **M21C7006**

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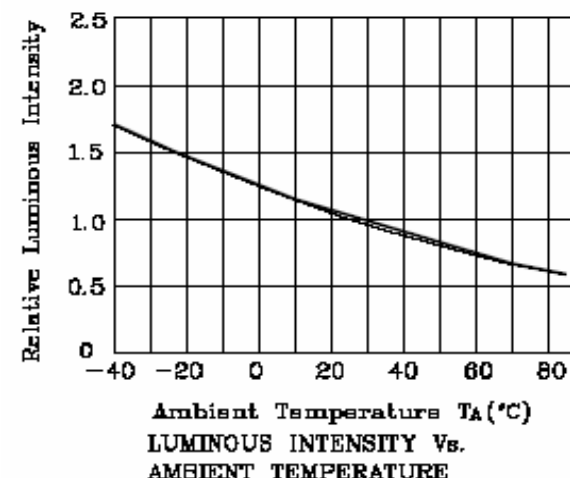
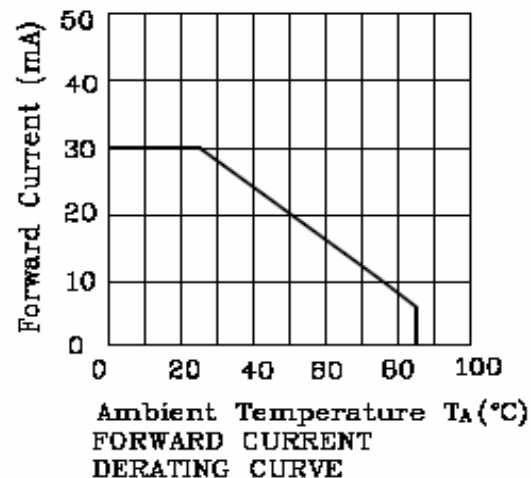
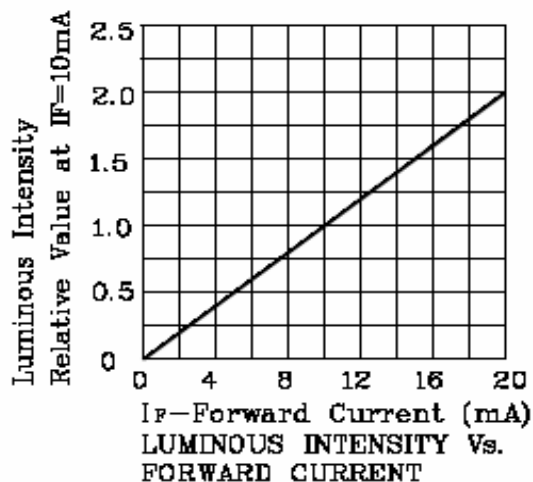
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Characteristics



Is special sorting is required (e.g. binning based on forward voltage. Luminous intensity /luminous flux, or wavelength).

the typical accuracy of the sorting process is as follows.

Wavelength: +/-1nm

Luminous Intensity / Luminous Flux: +/- 15%

Forward Voltage: +/-0,1V

Note: Accuracy may depend on the sorting parameters.

**SMT Segment Display Digit
Height 14,22mm**

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Ordering Informations

Serie	Digit Height Code	Quantity of Digits	Model Number	Diode Drive Code	Emitting Color (nm)	Surface Color Code	Segment Color Code	No Function	ROHS	Package
M21C7006	56	1	1	C	610	2	1	XX	R	TR

56= 0,56" Digit Dimension	1= Single Digit	1= Model Number 1	C= Commun Cathode
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2= Gray Surface	1= White Diffused	XX= No function	R= ROHS conform N= NON ROHS conform	TR= Tape Reel Packing
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**SMT Segment Display Digit
Height 14,22mm**

Part No.: **M21C7006**

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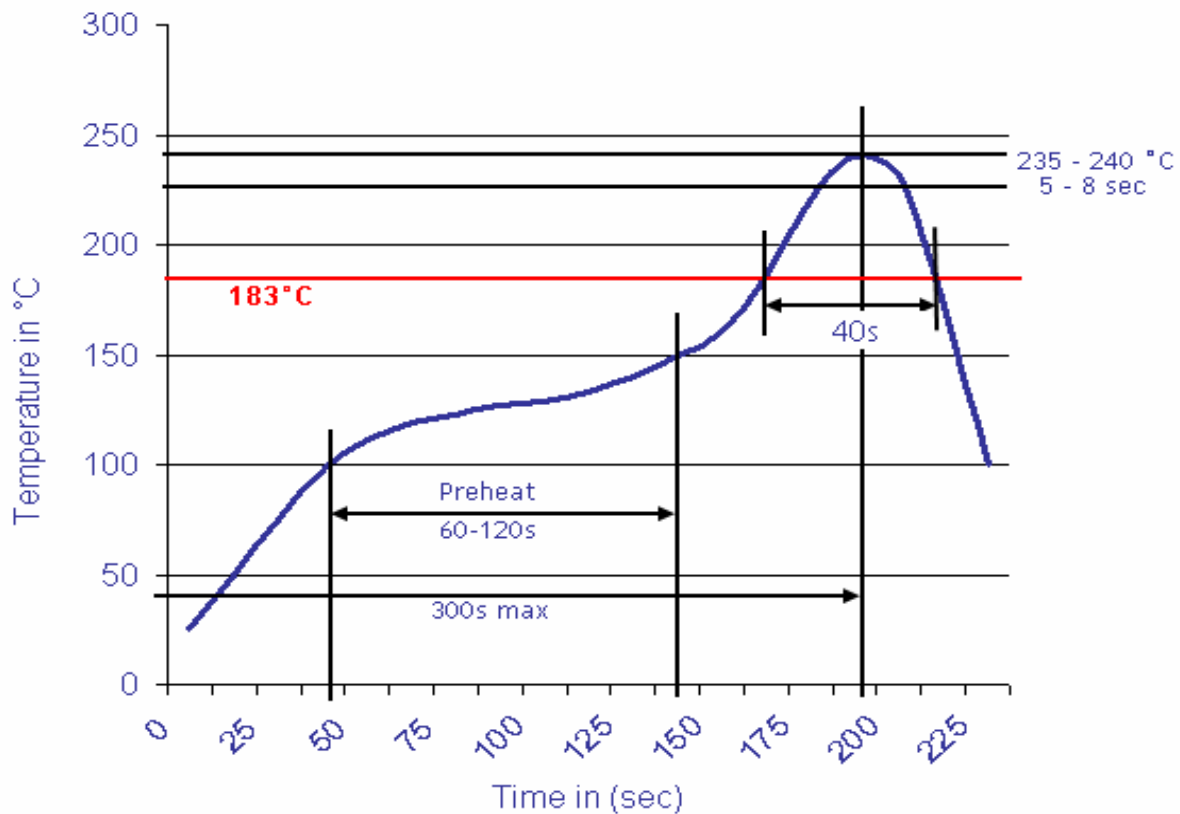


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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



**SMT Segment Display Digit
Height 14,22mm**

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