

Part Number: DMDK14C

 $14.2\mathrm{mm}$ (0.56") SINGLE DIGIT NUMERIC DIS-

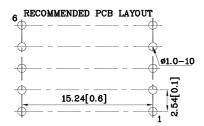
PLAY

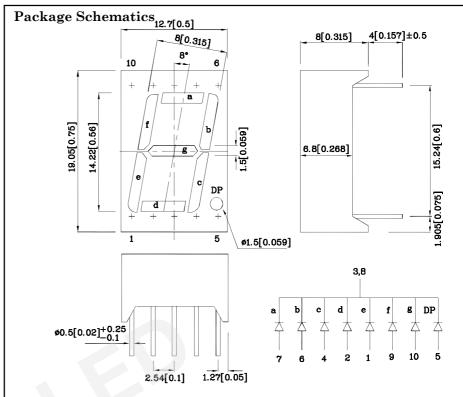
Features

- Low power consumption
- ullet Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white segments
- \bullet Optional black face provides superior color contrast
- RoHS Compliant









Notes

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.

2. Specifications are subject to change without notice.

Absolute Maximum Ratings (T _A =25°C)		MDK (AlGaInP)	Unit	
Reverse Voltage	V_{R}	5	V	
Forward Current	I_{F}	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	185	mA	
Power Dissipation	P_{D}	75	mW	
Operating Temperature	$T_{\rm A}$	-40 ~ +85		
Storage Temperature	Tstg	-40 ~ +85	C	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

Operating Characteristics (T _A =25°C)		MDK (AlGaInP)	Unit
Forward Voltage (Typ.) (I_F =10mA)	V_{F}	1.85	V
Forward Voltage (Max.) (I _F =10mA)	Voltage (Max.) (I _F =10mA) V _F 2.5		V
Reverse Current (Max.) (V_R =5 V)	I_R	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA)	λΡ	645*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) $(I_F=10\text{mA})$	λD	630*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	$\triangle \lambda$	28	nm
Capacitance (Typ.) $(V_F=0V, f=1MHz)$	C	35	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* (I _F =10mA) ucd	Wavelength CIE127-2007* nm λΡ	Description
			min. typ.		
DMDK14C	Red	AlGaInP	31000 96990 14000* 26990*	. 645*	Common Cathode, Rt.Hand Decimal.

^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 standards. Jan 17,2014

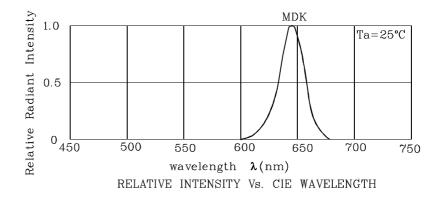
SDSA8570 V3-X Layout: Maggie L.

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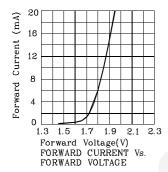
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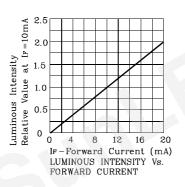
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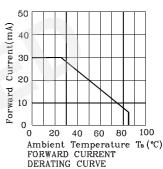


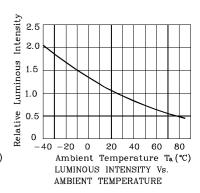


❖ MDK

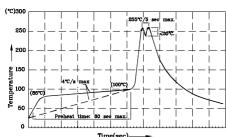








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- max).
 3.Do not apply stress to the epoxy resin
 4.Fixtures should not incur stress on the
 during soldering process.
 5.SAC 305 solder alloy is recommended.
 6.No more than one wave soldering pass.

Remarks:

If 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:

- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

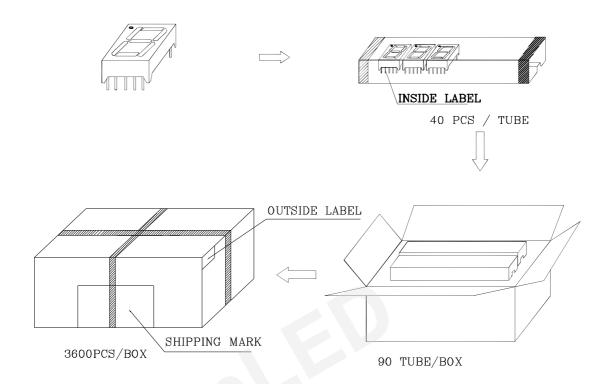
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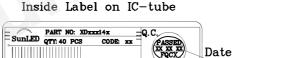
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PACKING & LABEL SPECIFICATIONS

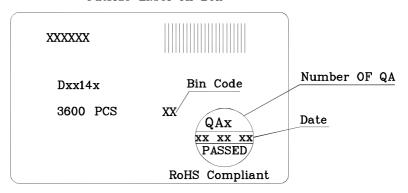




Number OF FQC

LOT NO.

Outside Label on Box



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