

# ELD425GWA

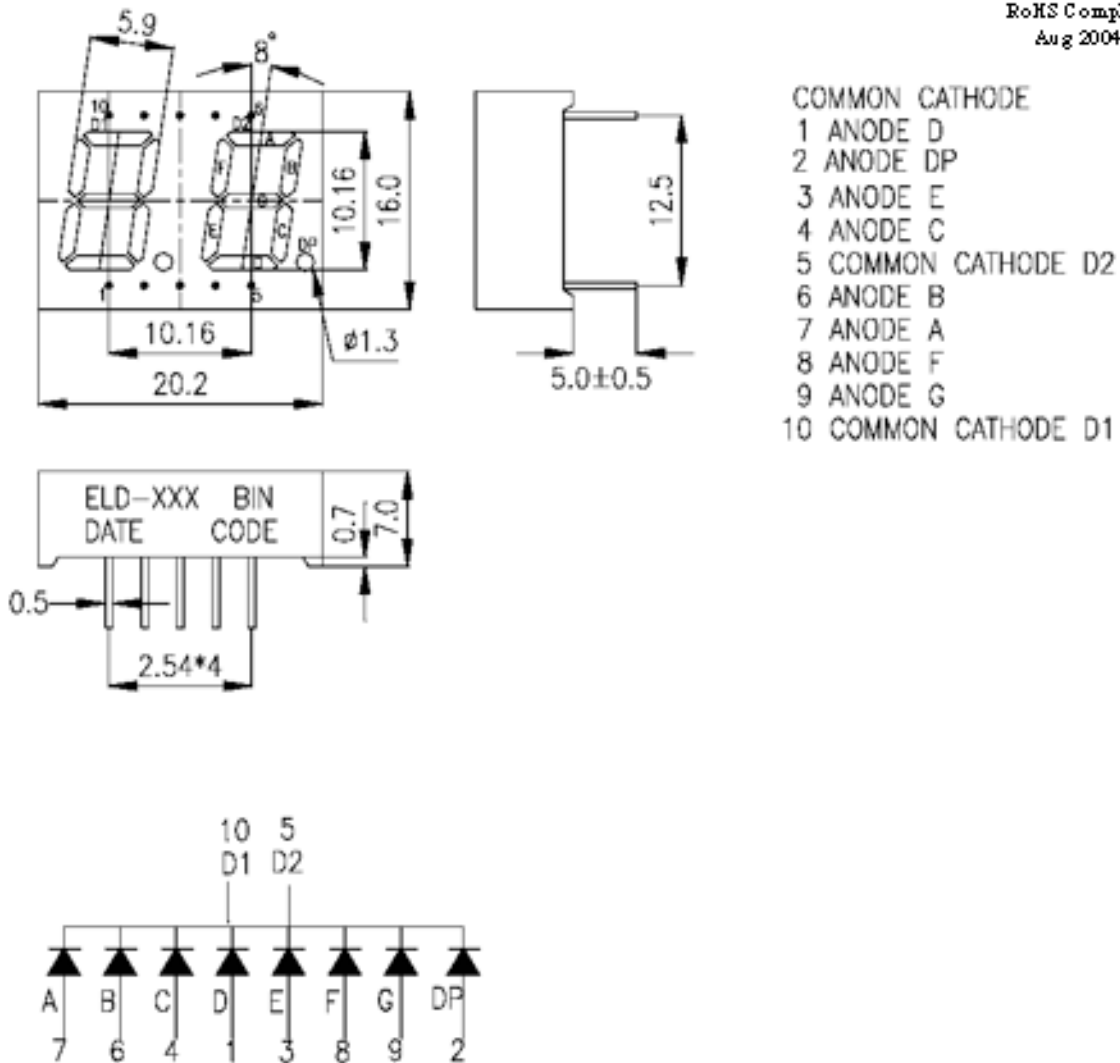
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The ELD425 series is a common cathode seven segment display.



RoHS Compliant  
Aug 2004



PART NO.	Chip		Face Color
	Material	Emitted Color	
ELD425GWA	GaP	Green	Gray

\* Specifications subject to change without notice. Dimensions are in mm ±0.25 unless stated otherwise.

**Absolute Maximum Ratings at T<sub>a</sub> = 25 °C**

Parameter	Symbol	Rating	Units
Forward Current	I <sub>F</sub>	30	mA
Operating Temperature	T <sub>opr</sub>	-40 to +85	°C
Storage Temperature	T <sub>stg</sub>	-40 to +100	°C
Soldering Temperature	T <sub>sol</sub>	260 ± 5	°C
Power Dissipation	P <sub>d</sub>	100	mW
Peak Forward Current (Duty 1/10 @ 1 KHz)	I <sub>F</sub> (Peak)	160	mA
Reverse Voltage	V <sub>R</sub>	5	V

**Electronic Optical Characteristics**

Parameter		Symbol	Min.	Typ.	Max.	Units	Condition
Luminous Intensity	Per segment	I <sub>v</sub>	1.05	1.9	—	mcd	I <sub>F</sub> = 10 mA
	Per decimal point		0.45	1.05	—		
Peak Wavelength		λ <sub>p</sub>	—	565	—	nm	I <sub>F</sub> = 20 mA
Dominant Wavelength		λ <sub>d</sub>	—	570	—	nm	I <sub>F</sub> = 20 mA
Spectrum Radiation Bandwidth		Δλ	—	30	—	nm	I <sub>F</sub> = 20 mA
Forward Voltage		V <sub>F</sub>	1.7	2.1	2.4	V	I <sub>F</sub> = 20 mA
Reverse Current		I <sub>R</sub>	—		10	μA	V <sub>R</sub> = 5 V

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