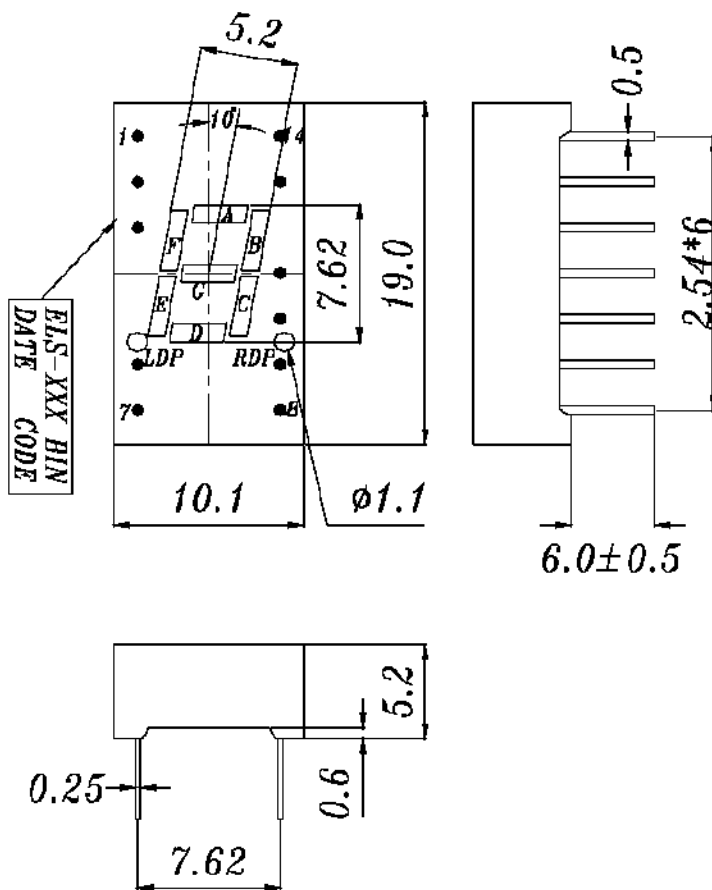


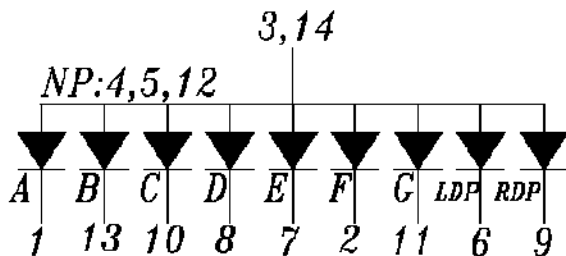
The ELS-322 series is a common anode seven segment display.



RoHS Compliant
Aug 2004



- COMMON ANODE**
- 1 CATHODE A
 - 2 CATHODE F
 - 3 COMMON ANODE
 - 4 NO PIN
 - 5 NO PIN
 - 6 CATHODE LDP
 - 7 CATHODE E
 - 8 CATHODE D
 - 9 CATHODE RDP
 - 10 CATHODE C
 - 11 CATHODE G
 - 12 NO PIN
 - 13 CATHODE B
 - 14 COMMON ANODE



PART NO.	Chip		Face Color
	Material	Emitted Color	
ELS-322SURWA/ S530-A2	AlGaInP	Hyper Red	Gray

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



Absolute Maximum Ratings at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Rating	Units
Forward Current	I_F	25	mA
Operating Temperature	T_{opr}	-40 to +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +100	$^\circ\text{C}$
Soldering Temperature	T_{sol}	260 ± 5	$^\circ\text{C}$
Power Dissipation	P_d	60	mW
Peak Forward Current (Duty 1/10 @ 1 KHz)	$I_F(\text{Peak})$	160	mA
Reverse Voltage	V_R	5	V

Electronic Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Units	Condition
Luminous Intensity	Per segment	2.8	4.5	—	mcd	$I_F = 10\text{ mA}$
	Per decimal point	0.5	0.8	—		
Peak Wavelength	λ_p	—	632	—	nm	$I_F = 20\text{ mA}$
Dominant Wavelength	λ_d	—	624	—	nm	$I_F = 20\text{ mA}$
Spectrum Radiation Bandwidth	$\Delta\lambda$	—	20	—	nm	$I_F = 20\text{ mA}$
Forward Voltage	V_F	—	2.0	2.4	V	$I_F = 20\text{ mA}$
Reverse Current	I_R	—		100	μA	$V_R = 5\text{ V}$

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