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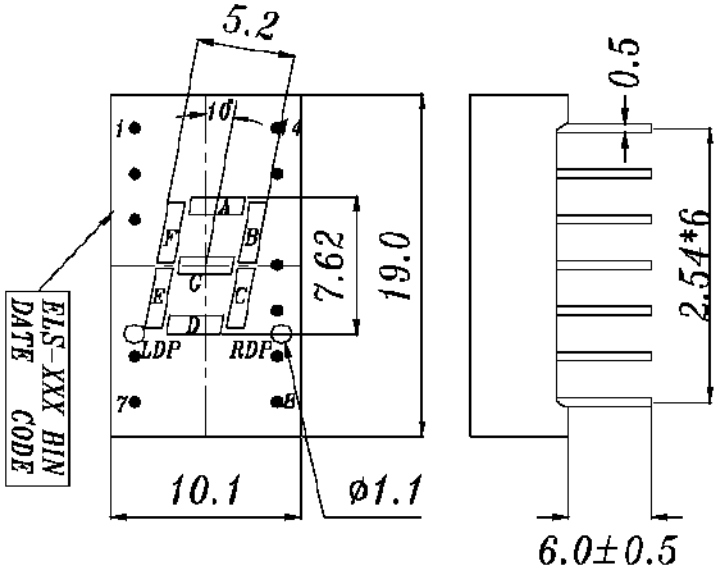
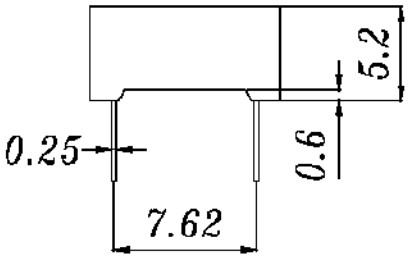
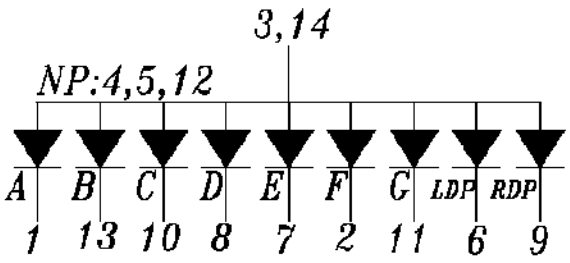
The ELS-322 series is a common anode seven segment display.

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.

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Absolute Maximum Ratings at T_a = 25 ˚C

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

Electronic Optical Characteristics

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

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